

County of Los Angeles
Countywide Integrated Waste Management Plan

**2010
Annual
Report**

**Countywide Summary Plan &
Countywide Siting Element**

County of Los Angeles
Department of Public Works
October 2011





GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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October 31, 2011

IN REPLY PLEASE
REFER TO FILE:

EP-5

Ms. Carol Mortensen
Director
Department of Resources
Recycling and Recovery
Cal/EPA Building
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Sacramento CA 95812-4025

Dear Ms. Mortensen:

TRANSMITTAL OF THE 2010 ANNUAL REPORT ON THE LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN SUMMARY PLAN AND SITING ELEMENT ASSESSMENTS

Enclosed is the 2010 Annual Report for the Summary Plan and Siting Element of the Los Angeles County Countywide Integrated Waste Management Plan for your review and approval pursuant to Section 41821 of the Public Resources Code. An electronic copy of the Annual Report will be available at www.solidwastedrs.org.

The 2010 Annual Report includes a timeline for the revision of the Siting Element, which is anticipated to be completed in 2015. Also included are discussions on permit changes, 2010 disposal and generation information with an update on the remaining permitted in-County disposal capacity, and the County's strategy for maintaining adequate disposal capacity through 2025 under nine scenarios. Two of the scenarios evaluate the effect of increased diversion rates.

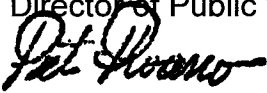
The Scenario Analysis demonstrates that the County would meet the disposal capacity requirements of Assembly Bill 939 by a combination of successfully permitting and developing all proposed in-County landfill expansions, utilizing available or planned out-of-County disposal capacity, developing the necessary infrastructure to facilitate exportation of waste to out-of-County landfills, and developing conversion and other alternative technologies. Additionally, by continuing to enhance its diversion programs and increasing the Countywide diversion rate the County may further ensure adequate disposal capacity is available through the planning period.

Ms. Carol Mortensen
October 31, 2011
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If you have any questions regarding this Annual Report, please contact me at (626) 458-3500 or Mr. Bahman Hajialiakbar of this office at (626) 458-3502, Monday through Thursday, 7 a.m. to 5:30 p.m.

Very truly yours,

GAIL FARBER
Director of Public Works



PAT PROANO
Assistant Deputy Director
Environmental Programs Division

NR:dy
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Enc.

cc: Department of Resources Recycling and Recovery Office of Local Assistance for
Southern California
Each City Mayor in the County of Los Angeles
Each City Recycling Coordinator in the County of Los Angeles
Each Member of the Los Angeles County Integrated Waste Management Task Force
Each Member of the Los Angeles County Regional Planning Commission

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ACRONYMS AND GLOSSARY OF TERMS

ADC	Alternative Daily Cover
CT	Conversion Technology
CSE	Countywide Siting Element (Siting Element)
CUP	Conditional Use Permit
EIR	Environmental Impact Report
FOC	Finding of Conformance
IDEOF	Inert Debris Engineered Fill Operation
LEA	Local Enforcement Agency
MSW	Municipal Solid Waste
Public Works	Los Angeles County Department of Public Works
Sanitation Districts	Sanitation Districts of Los Angeles County
Siting Element	Los Angeles County Countywide Siting Element (CSE)
SRRE	Source Reduction and Recycling Element
Summary Plan	Los Angeles County Countywide Integrated Waste Management Summary Plan
SWFP	Solid Waste Facility Permit
SWIMS	Solid Waste Information Management System
Task Force	Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force
TPD	Tons per Day, Based on 6 Operating Days per Week
TPW	Tons per Week
TPY	Tons per Year
UCLA	University of California, Los Angeles
CalRecycle	California Integrated Waste Management Board (formerly Waste Board)
WTE	Waste-to-Energy

WHAT IS THE ANNUAL REPORT?

The California Integrated Waste Management Act of 1989, also known as Assembly Bill 939, mandates jurisdictions to meet a diversion goal of 50 percent by 2000 and thereafter. In addition, each county is required to prepare and administer a Countywide Integrated Waste Management Plan. This plan is comprised of the county's and the cities' solid waste reduction planning documents plus an Integrated Waste Management Summary Plan and a Countywide Siting Element (CSE). Subsequently, the Disposal Reporting System (DRS) was established to estimate the amount of disposal from each jurisdiction and determine if it has met the goals.

For Los Angeles County, the County's Department of Public Works (Public Works) is responsible for preparing and administering the Los Angeles County Countywide Integrated Waste Management Summary Plan (Summary Plan) and the CSE. These documents were approved by the County, a majority of the cities within the County containing a majority of the cities' population, the County Board of Supervisors, and CalRecycle.



The Summary Plan, approved by CalRecycle on June 23, 1999, describes the steps to be taken by local agencies, acting independently and in concert, to achieve the mandated state diversion goal by integrating strategies aimed toward reducing, reusing, recycling, diverting, and marketing solid waste generated within the County.

The CSE, approved by CalRecycle on June 24, 1998, identifies how, for a 15-year planning period, the county and the cities within would address their long-term disposal capacity demand to safely handle solid waste generated in the county that cannot be reduced, recycled, or composted.

The purpose of the Annual Report is to provide an annual update to the Los Angeles County Countywide Integrated Waste Management Plan. The

Department of Public Works prepares the Annual Report which summarizes the changes that have been made to Summary Plan and the CSE since its last approval by the jurisdictions and CalRecycle. It consists of Section D: Summary Plan Assessment and Section E: Siting Element Assessment. The other sections pertaining to individual jurisdictions, namely, Sections A, B, C, and H, are included in a separate annual report from each jurisdiction.

SECTION D: SUMMARY PLAN ASSESSMENT (FORM)

Check each item as completed, providing attachments as applicable.

[☒] **D-1** Does the Summary Plan need to be revised? For example, have there been any significant changes in the financing of Countywide or regional programs and/or facilities, in demographics, in solid waste management infrastructure, or in planning documents; i.e., Source Reduction and Recycling Element (SRRE), Household Hazardous Waste Element, or Non-Disposal Facility Element from any of the jurisdictions within the County?

[☐] Yes. Discuss below. Include a time schedule for revising the Summary Plan.

[☒] No.

Discussion

Please see **Summary Plan** (page 3) and **Regional Solid Waste Issues** (page 5) for a discussion of the Summary Plan.

SUMMARY PLAN

The Summary Plan, which was prepared and administered by the County, describes the steps to be taken by jurisdictions, acting independently and in concert, to achieve the 50 percent waste diversion mandate. The County is currently conducting a five-year review of the Countywide Integrated Waste Management Plan. Based on the findings of the review, a determination will be made regarding the need to update the Summary Plan with consideration given towards the cities' and County's significant achievements in waste reduction over the last several years.

Jurisdictions in the County of Los Angeles continue to implement and enhance the waste reduction, recycling, special waste, and public education programs identified in their SRREs, Household Hazardous Waste Element, and Non-Disposal Facility Element (as updated through their Annual Reports). These efforts, together with Countywide and regional programs implemented by the County and the cities, acting in concert or independently, have achieved significant, measurable results. In 2009, 71 out of 74 jurisdictions¹ in the County are in compliance with the

requirements of AB 939 (that is, these jurisdictions meet or exceed the 50 percent waste reduction goal or receive a "Good Faith Effort" determination from CalRecycle. Jurisdictions that are in compliance comprise about 98 percent of the total Countywide waste stream.



Thanks to these increased efforts, the Countywide diversion rate for 2006 is estimated at 58 percent. This high level of success constitutes evidence of the effectiveness of the goals and policies identified in the individual jurisdictions' waste reduction planning documents as well as the Summary Plan.

The Summary Plan was approved by CalRecycle in 1999 and a number of changes have occurred since then. Regional solid waste management, demographics, and public awareness of environmental stewardship, have changed and evolved. At the same time, the County and cities continue to adjust, enhance, and expand their waste reduction efforts in response to changing conditions.

There are emerging issues, such as the need for statewide markets for recyclable materials, alternative technology, and

¹ 74 jurisdictions when considering LARA as a single jurisdiction.

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diversion credit for such technology, that need to be addressed in order to maintain and build upon the successful efforts of local jurisdictions.

Extended Producer Responsibility

Another rising issue is product stewardship also known as the extended producer responsibility (EPR). EPR is an environmental protection strategy that is becoming an accepted solution to reaching an environmental objective to E-Waste. The objective of EPR policies is to internalize the environmental costs of products into their retail price. This shifts the economic burden of managing products that have reached the end of their useful life from local government and taxpayers to the product's manufacturers and consumers. These issues, which have been discussed in the report, need to

be addressed by developing a Statewide infrastructure which is created through appropriate Statewide legislation, regulations, and/or policies.

In 2010, a Five-year review of the CSE and Summary Plan was conducted and concluded that the CSE should be revised. Considering the significant improvements being made by cities in achieving the 50 percent diversion mandate a revision of the Summary Plan is no longer being contemplated. This is consistent with the findings of the County's Five-Year Review Report dated April 2010 and approved by CalRecycle in August 2010. The following is a summary discussion on the various regional solid waste issues that currently play a significant role in the County's continuing solid waste management efforts.



REGIONAL SOLID WASTE ISSUES

Disposal Down Due to Economy

Recent economic downturn has weakened consumer demand for materials, impacted the construction industry, and slowed the production and manufacturing of goods.

As a result, the amount of waste that businesses and the general public generated as well as disposed of was also impacted. **Figure 1** and **Figure 2** show the downward disposal trend for Los Angeles County and selected facilities from 2008 to 2010. The decline has continued into 2011.

Figure 1: Disposal Trend

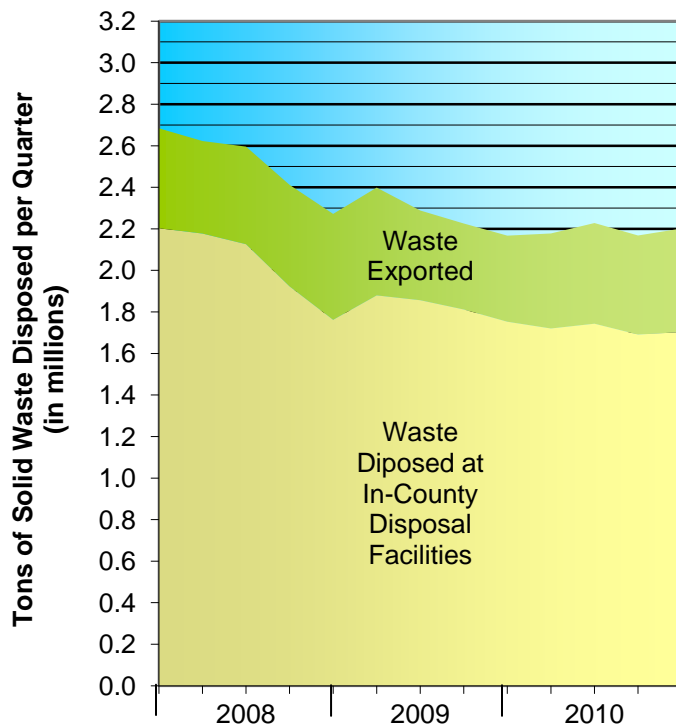
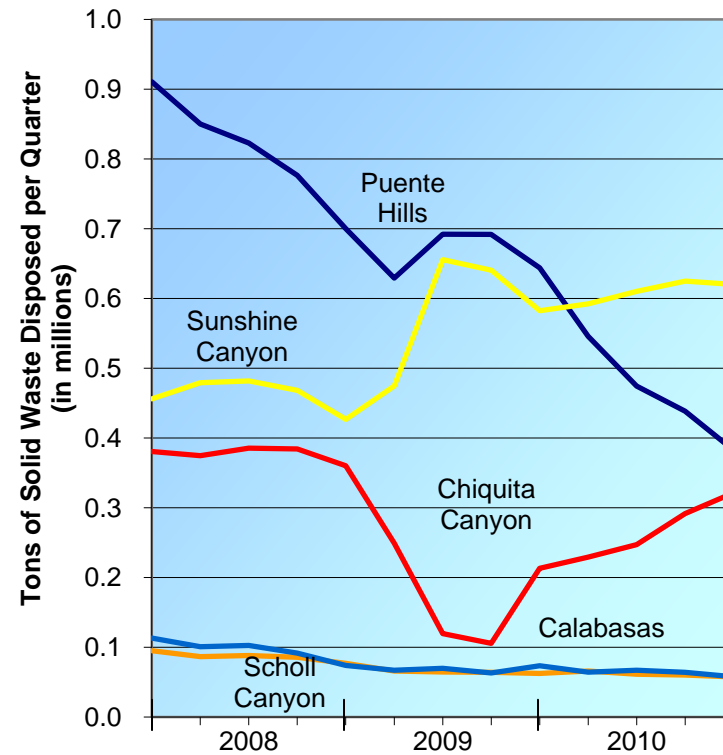


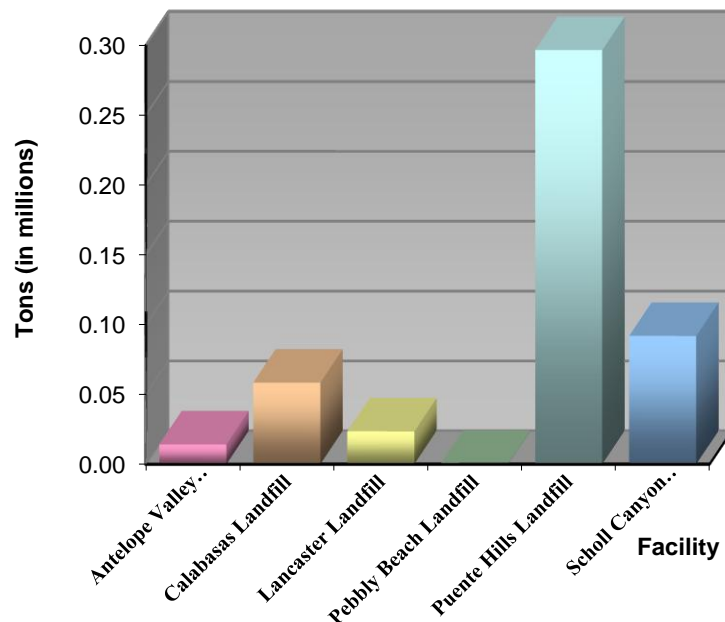
Figure 2: Disposal Trend at Major Landfills



Green Waste as Alternative Daily Cover

As the closure of Puente Hills Landfill in 2013 draws near, jurisdictions that currently depend on the diversion credit derived from using green materials as alternative daily cover (ADC) in Puente Hills Landfill must develop other solutions to meet their diversion goals. As shown in **Figure 3**, Puente Hills Landfill claimed nearly half of the green material ADC in the County in 2010. Of the 484,568 tons of greenwaste ADC used in in-County landfills, Puente Hills Landfill alone claims 61 percent, or 296,305 tons, which is equivalent to an average of 950 tons per day (tpd-6).

Figure 3: Use of Green Waste as ADC in 2010



In addition, Puente Hills Landfill's closure could result in the disposal of green waste. First, the processing capacity for green waste in the County is inadequate. Second, there is a limited market for compost made from green waste due to difficulties encountered in permitting and developing these types of facilities, as well as the cost of transportation long distances to existing processing facilities and markets. Cities, the County, and other stakeholders are exploring alternatives for the proper management of greenwaste in the aftermath of the Puente Hill Landfill closure.

Projected Shortfall of Available Permitted Disposal Capacity

As detailed in Strategy for Maintaining Adequate Disposal Capacity (page 29), under current conditions, there will be a shortage of permitted solid waste disposal capacity in the County. As a solution, jurisdictions in the County need to further enhance its waste reduction and diversion efforts, continue strategy to encourage development of alternative technologies such as conversion Technology and waste-to-energy facilities, encourage further development of in-county Landfills, adopt policies which promote and support the use of out-of-county facilities such as Mesquite Regional Landfill, as well as the siting or expansion of processing facilities in areas where processing capacity is inadequate will help in reducing disposal demand and further enhance waste diversion activities. It is imperative that jurisdictions and stakeholders collaborate to overcome obstacles and properly address public concerns as well as ensure that these facilities maintain high environmental standards.

Los Angeles County's Conversion Technology Efforts

The County and the Task Force are leading the effort to research, promote, and develop alternatives to landfills, including conversion technologies. Development of conversion technologies as alternatives to landfills is one of the key strategies for managing Solid Waste. The term conversion technologies refers to an array of state-of-the-art technologies capable of converting post-recycled residual solid waste into useful products, including renewable and environmentally benign fuels, chemicals, marketable products, and other sources of clean energy. These technologies are a reflection of our technological advances and a way to improve our quality of life and the environment. Conversion technologies (CTs) would reduce our dependence on landfilling while complying with strict environmental standards and up-front recovery of recyclable materials prior to the conversion process.

The County's CT evaluation process began with Phase I, which included a preliminary evaluation, screening and ranking of CT companies and identification of material recovery facilities and transfer stations (MRF/TS) that could potentially host a CT



facility. Phase II consisted of a detailed evaluation of selected technologies and MRF/TS sites. Following Phase II, Public Works issued a Request for Offers to the recommended companies and sites, which resulted in the establishment of three project development teams that connected a conversion technology company with a local MRF operator and site owner.

On April 20, 2010, the Los Angeles County Board of Supervisors (Board) unanimously approved three Memorandums of Understanding (MOU) for three conversion technology demonstration projects and awarded a contract for consultant services for Phase III and Phase IV of the Southern California Conversion Technology Demonstration Project for the purpose of developing solid waste alternatives to landfills within the County of Los Angeles. At that time, the Board also instructed the Director of Public

Works, in coordination with appropriate stakeholders, to assess the feasibility of developing a conversion technology facility at one or more County landfills, and to identify other potentially suitable sites within the County of Los Angeles, reporting back to the Board in six months with Public Works' findings.

Sixteen sites were submitted to the County as potential host sites for a conversion technology facility. These sites are discussed in the Preliminary Siting Assessment, which was

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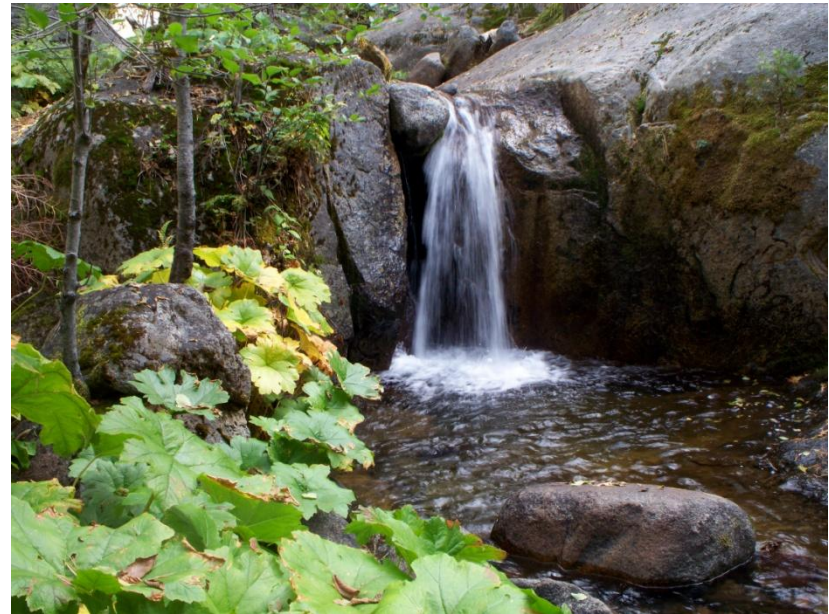
submitted to the Board of Supervisors on October 20, 2010. In subsequent updates to the Board, additional sites were added to that list.

During Phase IV, the County will work with various key stakeholders, including cities solid waste facility owners and operators, and CT companies to encourage the development of mutually beneficial projects within the County. Similar to the demonstration projects in Phase III, the County would provide support for these projects in the form of technical support through the consultant contract with ARI, as well as assistance with permitting and grant and loan procurement, while maximizing private-sector investment.

City of Los Angeles' Alternative Technology Efforts

In addition to the County's CT initiatives, the City of Los Angeles is also working on a plan to develop a number of alternatives to landfilling which the City refers to as alternative technologies. These technologies include CTs as well as combustion technologies or waste-to-energy (WTE) facilities. Since the last Annual Report, the City of Los Angeles Bureau of Sanitation (Bureau) was authorized by the Board of Public Works (BPW) to enter into contract negotiations with Green Conversion Systems (GCS) with the purpose of developing the first Alternative Technology facility in the City. GCS, a waste-to-energy project developer, is proposing to build a facility in the City of Los Angeles that can manage up to 1,100 tons per day. The facility would include an upfront preprocessing system (recovery of recyclables) followed by a waste to-energy system (a second generation WTE). In addition the BPW directed the Bureau and City Attorney to second-ranked

proposer, for development of a second Alternative Technology facility. On June 22, 2011, the City Council unanimously approved a motion that authorized and directed the Bureau to conduct concurrent negotiations with Urbaser-Keppel Seghers for an emerging Alternative Technology facility with the flexibility for the Bureau to negotiate for increased tonnage.



Market for Recovered Materials

The County strongly recommends CalRecycle to continue its efforts to address the need to develop sufficient Statewide markets and continue taking a leadership role in the expansion of markets for recycled products, including supporting

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legislative proposals to place more responsibility on manufacturers to manage their products at the end of their useful life. These efforts are of greater necessity due to the recent drastic decline in the market value of recyclable materials.

State recycling mandates have long created an extensive supply of diverted materials, but have not fully addressed the demand side of the “recycling equation.” The result has been a substantial dependence on China and other foreign countries as markets for our recyclable materials, where there are substantially inadequate environmental controls for processing these materials.

Whereas recycling is an important element of our integrated solid waste management system and is valuable in reducing our dependence on landfills, recycling efforts focusing on collection of materials without developing a strong market demand for diverted materials will ultimately not succeed.



SECTION E: SITING ELEMENT ASSESSMENT (FORM)

Check each item as completed, providing attachments as applicable.

[✓] **E-1** *Describe the changes in remaining disposal capacity facility description, pursuant to the California Code of Regulations (CCR) Section 18755.5, since the Los Angeles County Countywide Siting Element (Siting Element) adoption.*

[✓] *Attach the remaining capacity description (label as Appendix E-1) that includes the following information for each facility:*

- a. Name of the facility and name of facility owner and operator*
- b. Facility permit number, permit expiration date, date of last permit review, and an estimate of remaining site life*
- c. The maximum permitted daily and yearly rates of waste disposal in tons and cubic yards*
- d. The permitted types of wastes*
- e. The expected land use for the site and if site closure is expected to occur within the 15-year planning period*

Discussion

Please see **Permit Changes** (page 14) for a summary of the changes in the remaining disposal capacity facility. Detailed description of each facility is provided in **Appendix E-1**.

☒ **E-2** *Has the County or regional agency maintained or provided a strategy that provides for the maintenance of 15 years of disposal capacity?*

☒ Yes. *Attach a table (label as Appendix E-2) with the total disposal capacity the County or regional agency has for each year for the next 15 years in tons and cubic yards.*

☐ No. *Attach a table (label as Appendix E-2) with the total disposal capacity the County or regional agency has for each year for the next 15 years in tons and cubic yards.*

Discussion

Please see **Strategy for Maintaining Adequate Disposal Capacity** (page 29) for a discussion on how the County will maintain 15 years of disposal capacity. Detailed data is provided in **Appendix E-2, E-3, and E-4.**

☒ **E-3** *Examine the adequacy of the Siting Element. Has the County or regional agency maintained 15 years of disposal capacity, as described in E-2 above.*

☐ Yes. *(No revision necessary.)*

☒ Yes. *However, revision will be needed to add new disposal sites and/or strategies. Attach a discussion of the new sites or strategies and include a time schedule for revising the Siting Element and label as Appendix E-4.*

☐ No. *Attach a discussion of how additional capacity will be provided, and include a time schedule for revising the Siting Element. Label as Appendix E-4*

Discussion

The Siting Element is being revised to remove two sites, previously identified as landfills and add new strategies, including promoting the development of alternative technology facilities and infrastructure to facilitate exportation of waste to out-of-County landfills. Please see **Strategy for Maintaining Adequate Disposal Capacity** (page 29) for the discussion and time schedule for revising the Siting Element. Detailed data is provided in **Appendix E-3 and E-4.** Note that due to the structure of this report, **Appendix E-5** is not related to this discussion

REVISION OF SITING ELEMENT

As mandated by AB 939, the CSE established goals, policies, and strategies for the County to maintain adequate permitted disposal capacity for a 15-year planning period. To provide this needed disposal capacity, the CSE identified locations in the County which may be potentially suitable for development of solid waste landfills. Available out-of-County landfills to accept waste generated in the County were also identified. Additionally, the CSE includes goals and policies to facilitate the use of out-of-County, remote landfills and foster the development of alternatives to landfill disposal.

Since the CSE was approved by CalRecycle on June 24, 1998, significant changes have occurred in the permitting status of some facilities.

As detailed in the Five-Year Review Report, approved by CalRecycle September 21, 2004, the changes include:

- ❖ Removal of Elsmere and Blind Canyons as potential new landfill sites in accordance with the Board of Supervisors' decision;
- ❖ Re-evaluating the goals and policies to ensure an efficient and effective solid waste management system that meets the changing needs of today's residents and businesses of the County;
- ❖ Promote development of alternative technology facilities;

- ❖ Promote development of necessary infrastructure to facilitate exportation of waste to out-of-County landfills.

In August 2010, CalRecycle approved the County's Five Year Review Report, which provides a comprehensive analysis of the continuing adequacy of the planning waste management documents. The Five-Year Review Report confirmed the need to revise the CSE. Public Works continues to work with the Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force in revising the CSE. Upon completion of the revision process, the revised CSE and its environmental document will undergo a review and approval process in compliance with numerous statutory and regulatory requirements. This includes review and approval by cities in Los Angeles County, the County Board of Supervisors, and CalRecycle.

The goal is to complete the entire revision process and submit the final draft CSE and the environmental document to CalRecycle by Fall 2013, assuming: 1) no major delays in the project contract deliverables; 2) prompt review and approval of the preliminary and final draft CSE and environmental documents by appropriate agencies and stakeholders, County Board of Supervisors, and CalRecycle; and 3) public and cities' review, and local adoption by cities and the County occur within the statutory and regulatory prescribed timelines.

PERMIT CHANGES

Expanded Facilities

Antelope Valley Recycling and Disposal Facility

The Antelope Valley Recycling and Disposal facility is owned and operated by Waste Management of California, Inc. On June 12, 1997, CalRecycle issued a Solid Waste Facility Permit (SWFP) for the expansion project. The expansion to Landfill Unit II increased disposal capacity by 6.8 million tons and increased the daily capacity to 1,800 tpd. The expansion area was annexed by the City of Palmdale on August 27, 2003. Refer to **Appendix E-1** for more detailed information.

Pebbly Beach Landfill

The Pebbly Beach Landfill is owned by the City of Avalon and operated by Republic Services, Inc. With the closure of the Two Harbors Landfill in October 1995, the Pebbly Beach Landfill became the only Class III landfill on Santa Catalina Island. A new CUP was issued on July 29, 1998, for the expansion project. The revised SWFP was issued on April 10, 2001. The expansion of the existing Landfill also included a materials recovery and composting operation. Refer to **Appendix E-1** for more detailed information.



Puente Hills Landfill

The Puente Hills Landfill is owned and operated by the Sanitation Districts of Los Angeles County (Sanitation Districts). On January 23, 2002, the Sanitation Districts' Board of Directors certified the Final Environmental Impact Report (EIR) for the expansion project. The County of Los Angeles Regional Planning Commission granted a new Conditional Use Permit (CUP) on December 18, 2002 and limited the life of the project to October 31, 2013. The Task Force granted a Finding of Conformance (FOC) on February 20, 2003. CalRecycle approved the project on July 11, 2003, and issued a revised SWFP. Operation of the expanded landfill began on November 1, 2003. The expansion increased the life of the landfill by ten years at a maximum daily disposal capacity of 13,200 tpd. Refer to **Appendix E-1** for more detailed information.

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Sunshine Canyon City Landfill

The Landfill is located within the jurisdiction of City of Los Angeles. It is owned and operated by Browning-Ferris Industries, a subsidiary of Republic Services. On December 18, 1999, the City of Los Angeles issued a land use permit for the development of the City Landfill Unit 2. On May 21, 2003, CalRecycle issued a revised SWFP for Phase I of the City Landfill Unit 2. On June 17, 2004, the State Water Resources Control Board approved the Waste Discharge Requirements permit for Phase I. The Phase I disposal area is designed to be approximately 84 acres with a capacity of approximately 7.5 million tons. Operation of the expansion project began in July 2005. Refer to **Appendix E-1** for more detailed information.

Sunshine Canyon County Landfill

The Landfill is located within the County unincorporated area under the jurisdiction of the County. It is also owned and operated by Browning-Ferris Industries, a subsidiary of Republic Services, Inc. On February 6, 2007, the County Board of Supervisors approved a replacement CUP to allow development and full utilization of the portion of the landfill in the unincorporated area and a combined City/County landfill. The CUP became effective on May 24, 2007. CalRecycle issued a revised SWFP on February 21, 2007. These

actions allowed for the operation of the City and County Landfills to be combined under specified conditions. Refer to **Appendix E-1** for more detailed information.

Sunshine Canyon City/County Landfill

On December 18, 1999, the City of Los Angeles issued a land use permit for the development of the City Landfill Unit 2. On February 6, 2007, the County Board of Supervisors approved a replacement CUP that allows for the operations of the City and County Landfills to be combined under specified conditions. After receiving the replacement CUP, Browning-Ferris Industries submitted an application for a new SWFP for the City/County Landfill on October 3, 2007. Due to the jurisdictional complexity of the joint Landfill, CalRecycle decided to process the SWFP application and designate a new LEA for the duties of overseeing the operation. The new SWFP was issued on July 7, 2008, and the Sunshine Canyon Landfill-LEA was certified on July 22, 2008. On December 23, 2008, the City and the County entered into a Memorandum of Understanding to allow coordination of specified land use requirements for more efficient administration of the Landfill. On December 31, 2008, the City adopted a resolution to allow immediate operation of Phase II. Thereafter, the County's Technical Advisory Committee determined that BFI has satisfied all the requirements for a combined SCL effective December 31, 2008. On the same day, Browning-Ferris



Industries began operation of the City/County Landfill. Refer to **Appendix E-1** for more detailed information.

Proposed Facility Expansions

Antelope Valley Recycling and Disposal Facility Expansion

In 2005, Waste Management filed an application with the City of Palmdale for Consolidation of Landfill Unit 1 and Landfill Unit 2 and Landfill expansion into the “Bridge Area”. A draft EIR was released for public comments on May 24, 2010. The City of Palmdale has approved the expansion of Antelope Valley Landfills #1 & #2 on September 19, 2011. The expansion will result in an additional 8.96 million tons of capacity and add approximately 8 years of life to the landfill at the maximum permitted rate of disposal. As part of the expansion, Waste Management is also increasing the daily maximum tonnage from 1,800 tpd to 3,600 tpd. The most current CUP 98-12 and the EIR 03-02 (SCH # 1990010988) were approved on June 9, 2011, effective on June 21, 2011, and expire on June 21, 2014. Refer to **Appendix E-1** for more detailed information.

Chiquita Canyon Landfill Expansion

The Chiquita Canyon Landfill was previously operated by Republic Services, Inc. In October 2004, Republic Services submitted an application for a new CUP, proposing a horizontal and vertical expansion of about 32 million tons and an increase in disposal area of 98 acres. The weekly disposal capacity would remain at 30,000 tons per week (tpw). On December 5, 2008, Republic Services merged with Allied Waste Industries, Inc. As a condition of the merger, Republic Services was required to divest the Chiquita

Canyon Landfill. Republic Services and Waste Connections signed a definitive agreement providing for the sale of the Chiquita Canyon Landfill to Waste Connections, Inc. on February 6, 2009. The expansion proposal is currently pending, to be pursued by the new owner. Refer to **Appendix E-1** for more detailed information.

Lancaster Landfill and Recycling Center Expansion

The Lancaster Landfill and Recycling Center is owned and operated by Waste Management of California, Inc. Waste Management submitted an application for a new CUP, which is in the review process. Waste Management proposes to increase the daily permitted disposal capacity from 1,700 tpd to 3,000 tpd and extend the 2012 closure date to when the landfill reaches permitted capacity. A draft EIR for the project was released to the public for comment. Refer to **Appendix E-1** for more detailed information.

Peck Road Gravel Pit Expansion

The Peck Road Gravel Pit is owned and operated by S.L.S. & N., Inc., and is a permitted inert waste landfill. On September 14, 2000, the City of Irwindale certified the EIR and approved CUP No. 95-4 for the Landfill’s expansion. The Task Force granted a revised FOC on March 21, 2002. The SWFP for the expansion is currently under review. The expansion area covers approximately 41 acres, immediately adjacent to the existing permitted area. In 2011, the facility surrendered its Solid Waste Facility Permit and is currently operating under a notification as an Inert Debris Engineered Fill Operation (IDEFO). Refer to **Appendix E-1** for more detailed information.

Other Changes

Bradley Landfill and Recycling Center

The Bradley Landfill and Recycling Center is owned and operated by Waste Management of California, Inc. An amended City of Los Angeles Zoning Permit was issued March 18, 1996. Thereafter a revised SWFP was issued on August 15, 1996, to increase the maximum permitted daily capacity from 7,000 tpd to 10,000 tpd. Bradley Landfill and Recycling Center closed on April 14, 2007, as required by its land use permit. Refer to **Appendix E-1** for more detailed information.

Brand Park Landfill

The Brand Park Landfill is owned and operated by the City of Glendale. This facility now accepts inert waste only.

Southeast Resource Recovery Facility

The Southeast Resource Recovery Facility is owned by the City of Long Beach and operated by Monterey Pacific Power Corporation. A revised SWFP was issued on March 3, 1998, which increased the permitted daily capacity to 2,240 tpd. Refer to **Appendix E-1** for more detailed information.

Proposed Out-of-County Landfills

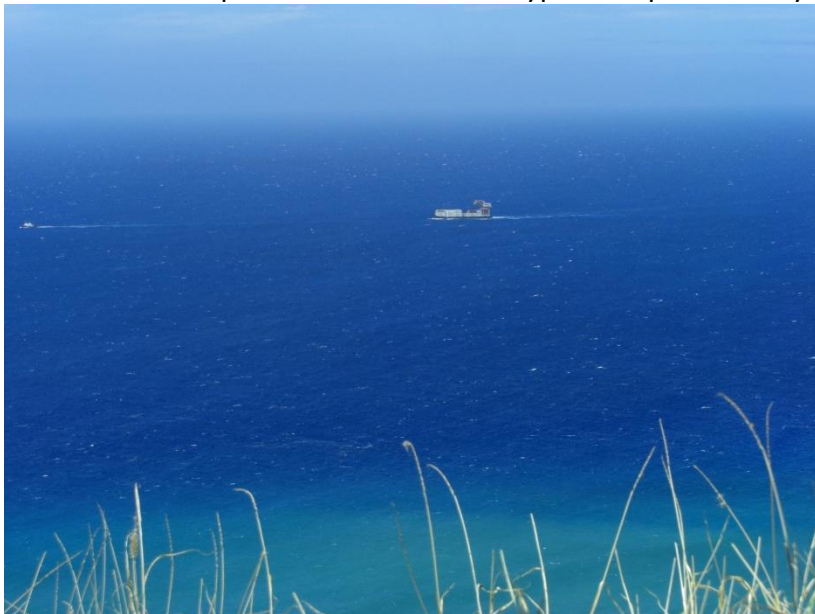
The Sanitation Districts proposes one out-of-County landfill to receive a portion of the County's waste via rail: the Mesquite Regional Landfill. Refer to **Out-of-County Disposal Facilities** (page 42) and **Appendix E-1** for more detailed information.



DISPOSAL ANALYSIS FOR 2010

Solid Waste Disposal

In 2010, residents and businesses in the County disposed of 8.77 million tons of solid waste at Class III landfills and transformation facilities located in and out of the County. In addition, the amount of inert waste disposed at permitted inert waste landfills totaled 124,820 tons. The following is a breakdown of disposal amounts at each type of disposal facility.



Annual Disposal Tonnage for 2010

In-County Class III Landfills	6,313,263	tons
Transformation Facilities	539,129	tons
Exports to Out-of-County Landfills	1,917,993	tons
Subtotal MSW Disposed	8,770,385	tons
Permitted Inert Waste Landfills	124,820	tons
Grand Total Disposed	8,895,205	tons

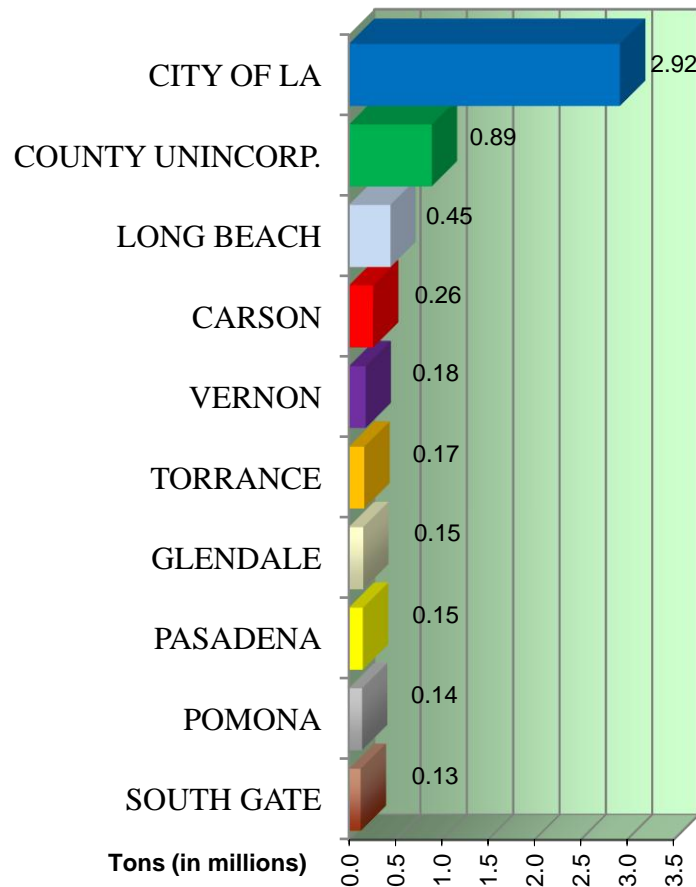
Average Daily Disposal Rate for 2010 (Based on Six Operating Days)

In-County Class III Landfills	20,235	tpd
Transformation Facilities	1,728	tpd
Exports to Out-of-County Landfills	6,147	tpd
Subtotal MSW Disposed	28,110	tpd
Permitted Inert Waste Landfills	400	tpd
Grand Total Disposed	28,510	tpd

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The figure below shows the top 10 jurisdictions that disposed solid waste, including inert waste disposed at permitted inert waste landfills, in and outside of the County in 2010.

Figure 4: Top 10 Jurisdiction Disposal Quantities in 2010



Waste Generation

Based on each jurisdiction's approved diversion rate by CalRecycle, the 2006 Countywide diversion rate is estimated at 58 percent. For the purpose of long-term disposal capacity planning, a conservative diversion rate of 55 percent will be assumed for 2010. Therefore, given 8.77 million tons were disposed, it is estimated that the County generated approximately 19.5 million tons or an average of 62,467 tpd based on six operating days per week. Translating it into per capita generation rate, each person in the County generated 10.86 lbs of solid waste each day. A summary of waste generation and disposal quantities is provided below. Note that the estimates do not include inert waste disposed at permitted inert waste landfills.

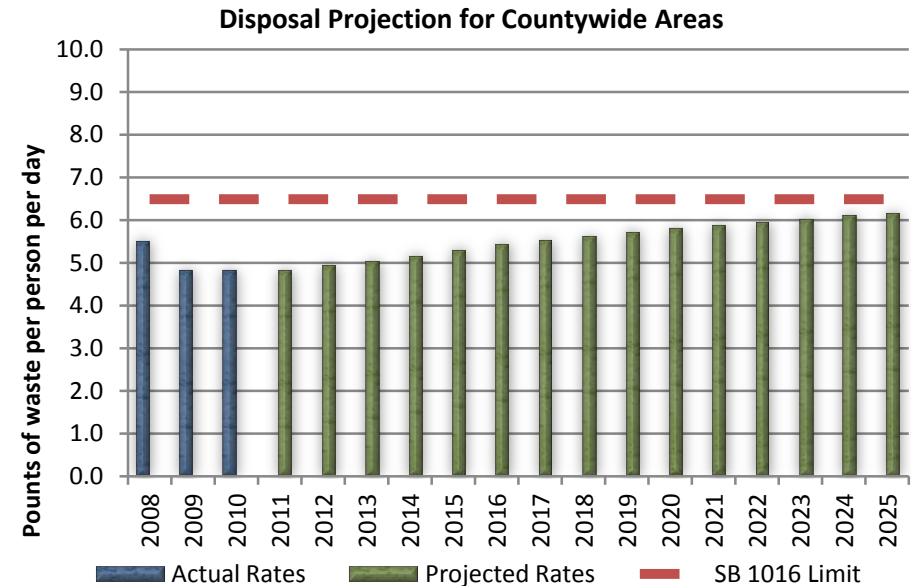
2010 Waste Generation and Disposal Quantities for Municipal Solid Waste					
A	B	C	D	E	F
In-County Disposal		Out-of-County Class III Landfills (Exports)	Total Disposal*	Estimated Countywide Diversion Rate	Calculated 2010 Solid Waste Generation*
Class III Landfills	Transformation Facilities				
TONS	TONS	TONS	TONS	%	TONS
6,313,263	539,129	1,917,993	8,770,385	55	19,489,744
* Data from permitted inert waste landfills is excluded from these calculations.					
Column A:	Total disposal at Class III landfills in Los Angeles County. Does not include waste imported from jurisdictions outside the County.				
Column B:	Total disposal at transformation facilities in Los Angeles County. Does not include waste imported from jurisdictions outside the County.				
Column C:	Waste exported by jurisdictions in Los Angeles County to disposal facilities located outside the County.				
Column D:	Columns A + B + C.				
Column E:	Countywide Diversion Rate of 55 percent is assumed.				
Column F:	Column D ÷ Column E. This estimate is used to project the County's Class III landfill and transformation disposal needs through the year 2025.				

SB 1016

With the implementation of Senate Bill 1016, CalRecycle no longer calculates diversion rate based on actual disposal and estimated annual generation using CalRecycle's adjustment methodology. Instead, per capita disposal equivalent is calculated using an approved jurisdiction-specific average of per capita generation rates of years 2003 to 2006. Jurisdictions are given individual targets and reviewed case by case. Based on current projections of population, employment, and real taxable sales, it is estimated that in order to meet the per capita disposal requirements, then jurisdictions in Los Angeles County would need to continue its' diversion programs as well as other disposal reduction strategies so that the diversion rate remains at or above 55 percent through 2025, as shown in Figure 5. Refer to **Appendix E-3** for detailed data.



Figure 5: Disposal Projection for Countywide Areas

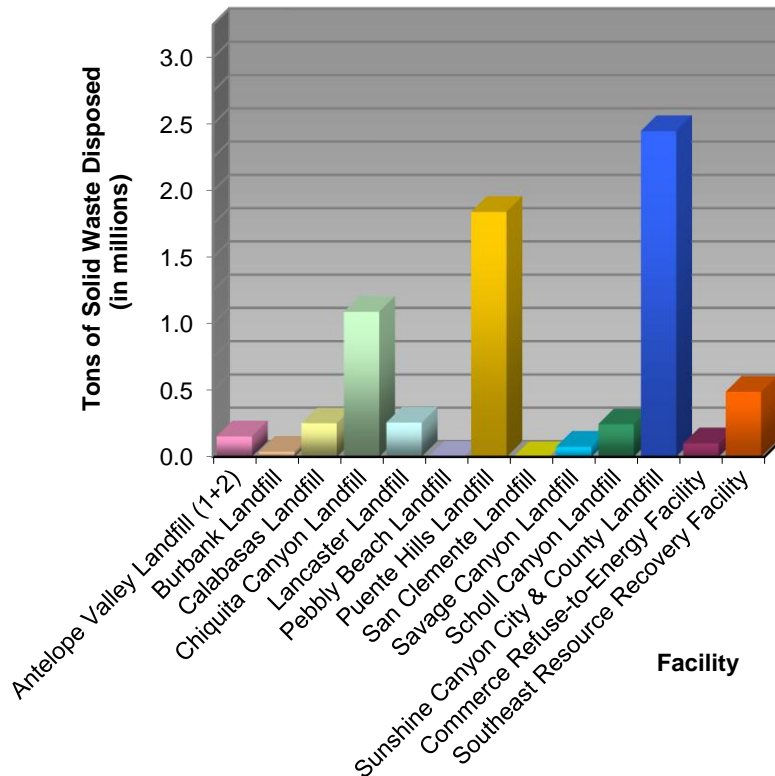


Waste Disposal at In-County Facilities

In addition to the in-County waste, the Class III landfills, permitted inert waste landfills, and transformation facilities in the County also received 210,521 tons, or 675 tpd, of waste from outside the County. **Figure 6** shows the total amount of solid waste disposed at each Class III landfill and transformation facility, including waste generated from in and outside the County. Refer to **Appendix E-2 Table 1** for detailed data.

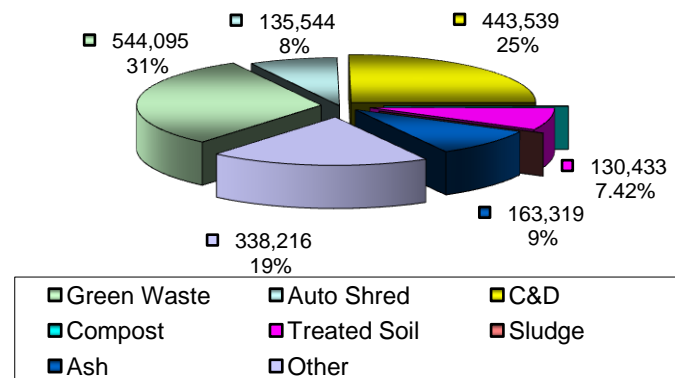
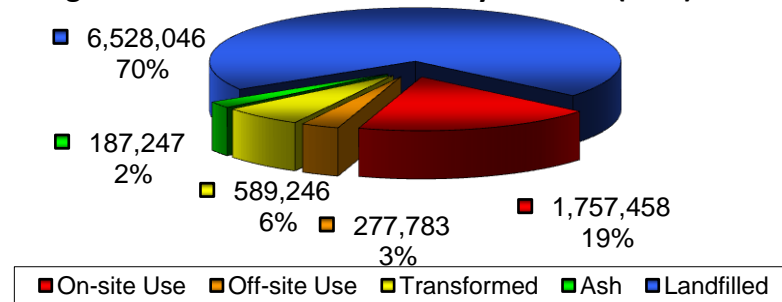
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Figure 6: Disposal Quantities by Facility in 2010



When waste is received at Class III landfills and transformation facilities, some of it is recycled for on-site use, such as ADC, and some is sent off-site for recycling or processing. The remaining is landfilled or transformed into energy. If transformed, the residual ash is turned into ashcrete and used for winter deck and other beneficial uses at the Puente Hills Landfill. The chart below quantitatively illustrates these activities.

Figure 7: Solid Waste at In-County Landfills (tons)



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The various types of materials recycled or beneficially used on-site at Class III landfills are further broken down. **Figures 9 through 21** show the disposal at each in-County facility broken down by jurisdiction. Refer to **Appendix E-5** for a map that shows the location of each facility.

Figure 9: Antelope Valley Landfill

154,000 tons

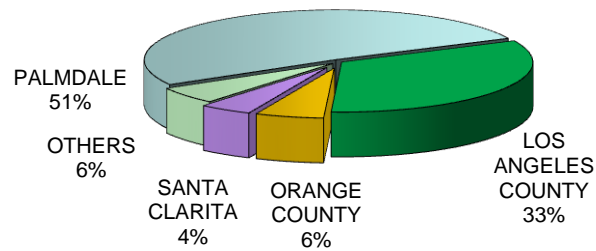


Figure 10: Burbank Landfill

38,000 tons

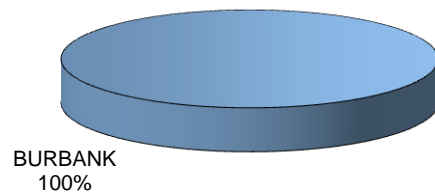


Figure 11: Calabasas Landfill

253,000 tons

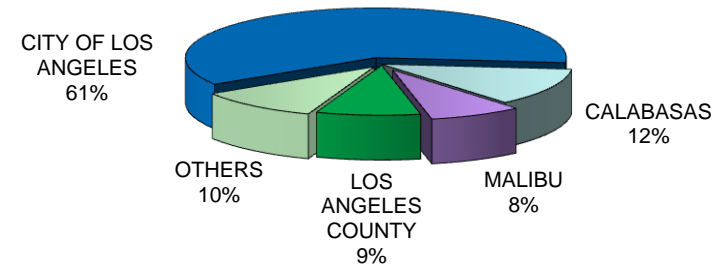


Figure 12: Chiquita Canyon Landfill

1,090,000 tons

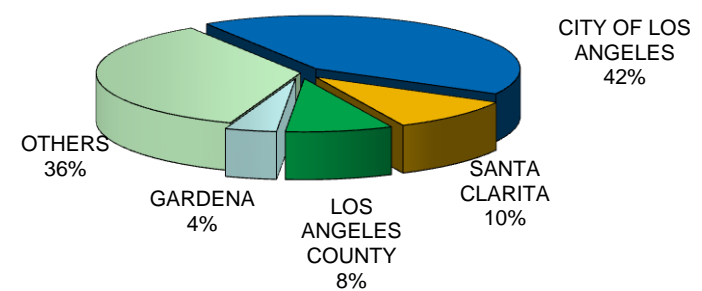
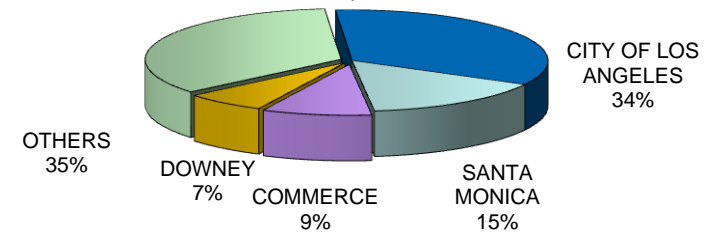


Figure 13: Commerce Refuse-to-Energy Facility

101,000 tons



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Figure 14: Lancaster Landfill

257,000 tons

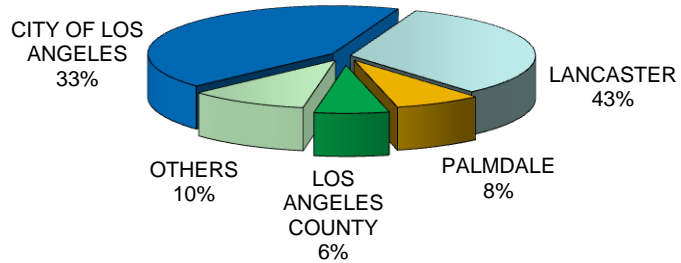


Figure 17: San Clemente Landfill

267 tons

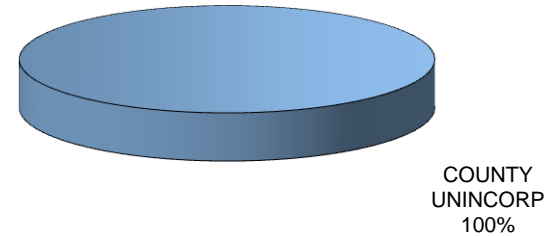


Figure 15: Pebbly Beach Landfill

3,000 tons

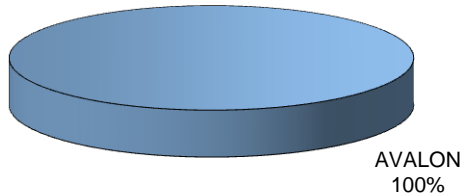


Figure 18: Savage Canyon Landfill

75,000 tons

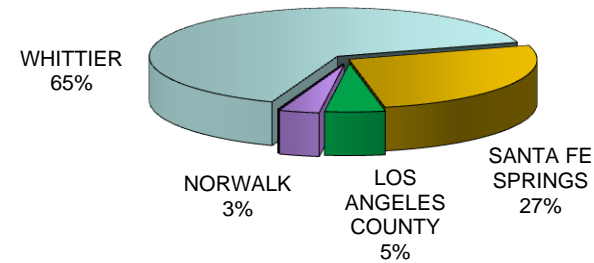


Figure 16: Puente Hills Landfill

1,841,000 tons

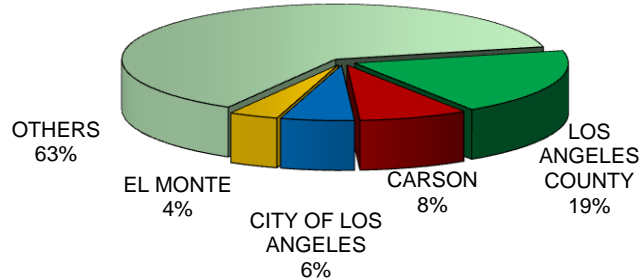


Figure 19: Scholl Canyon Landfill

245,000 tons

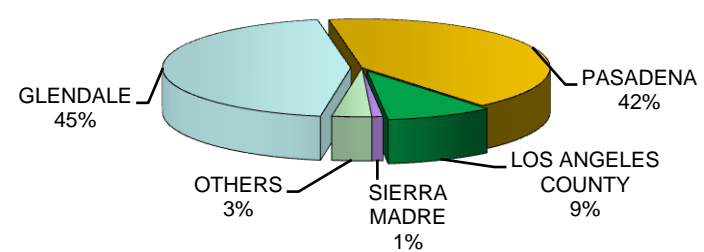


Figure 20: Southeast Resource Recovery Facility

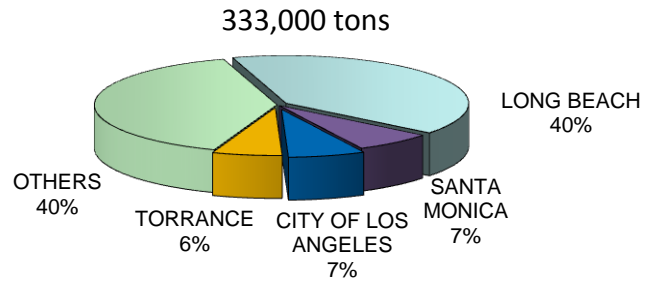
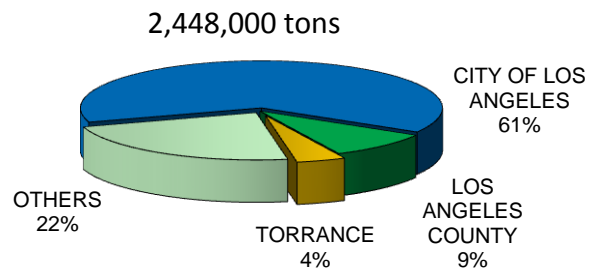
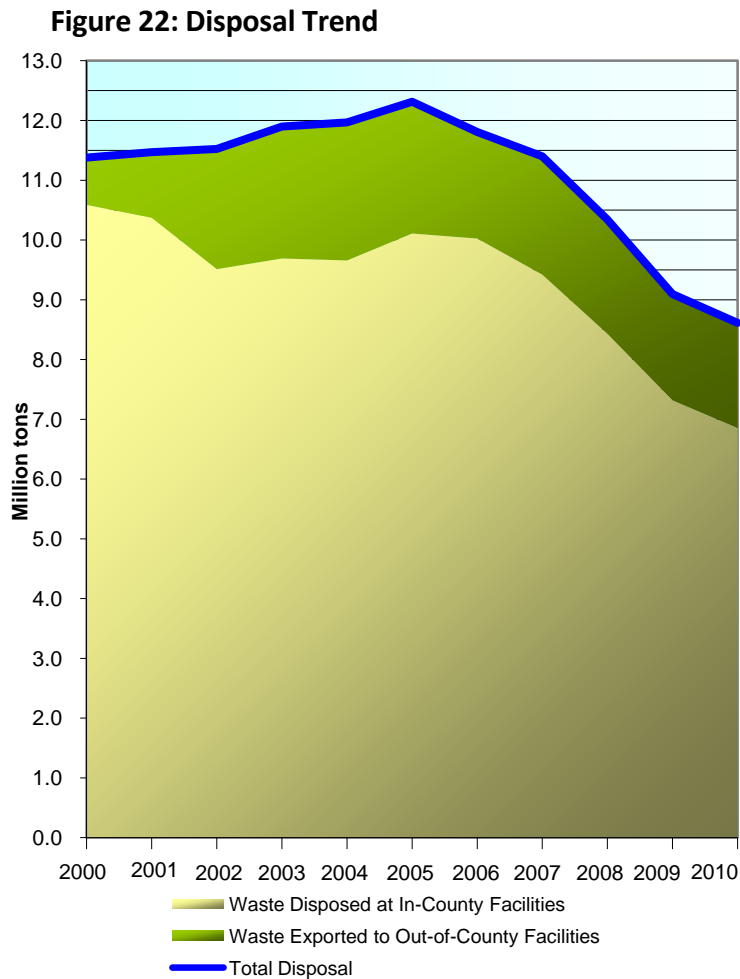


Figure 21: Sunshine Canyon City /County Landfill



Disposal Trend

The following figure shows the historical solid waste disposal quantities at in-County Class III landfills and transformation facilities, and exports to outside the County.

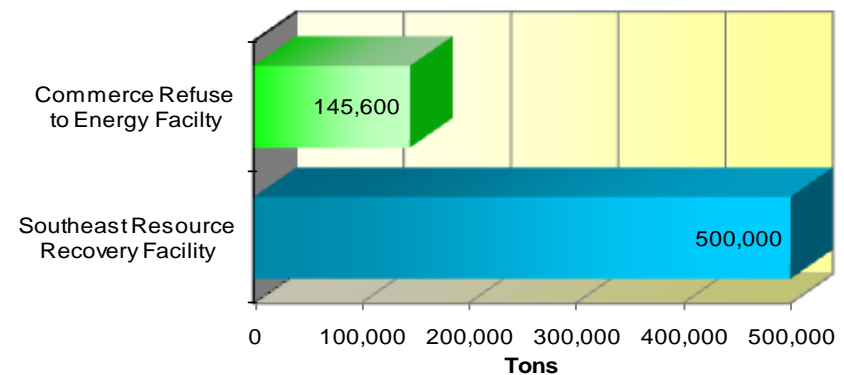


Remaining Disposal Capacity at End of 2010

Transformation Facilities

Presently, two transformation facilities operate in the County with a combined permitted capacity of 2,069 tpd, which is equivalent to 645,600 tpy.

Figure 23: Transformation Facility Annual Permitted Capacity



It is expected that these two facilities will continue to operate at their current permitted daily capacity during the planning period of 2010 through 2025. The owners and operators of these facilities indicate that there are no plans to increase the permitted daily capacity.

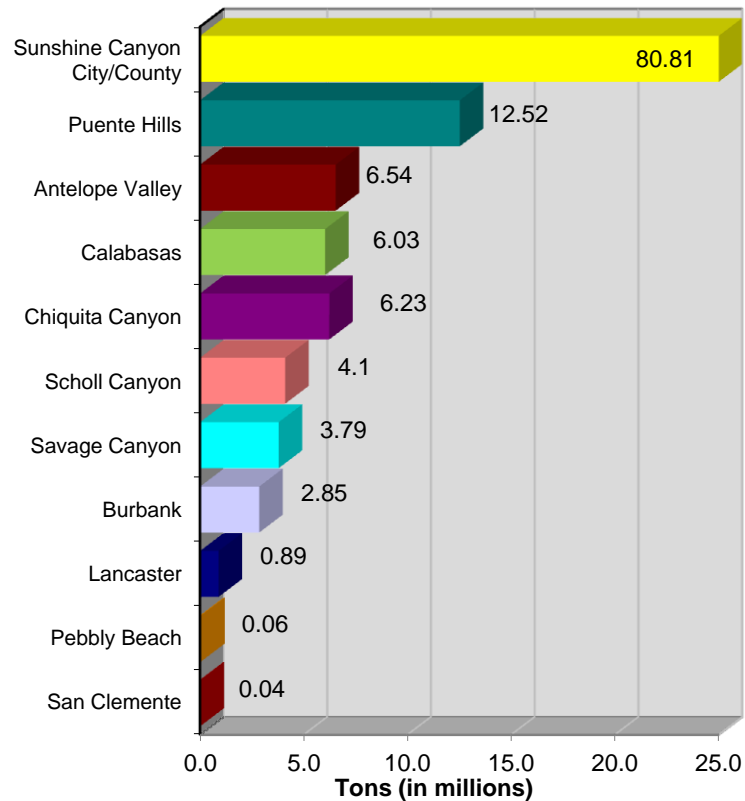
Class III Landfills

Public Works conducted a survey requesting landfill operators in the County to provide updates to their estimated remaining disposal capacity. Based on the results of the survey, the total remaining permitted Class III landfill capacity in the County is estimated at 124 million tons as of December 31, 2010.

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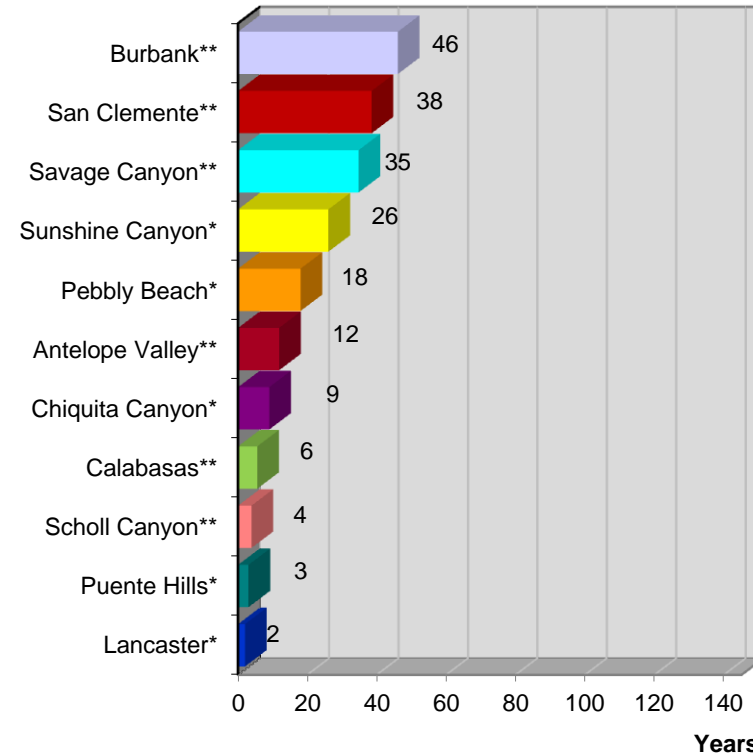
The figure below shows a breakdown of each landfill's remaining capacity in million tons as of December 31, 2010. Refer to **Appendix E-2 Table 1** for detailed data.

Figure 24: Class III Landfill Remaining Capacity



When each landfill's daily average disposal and closure date, if specified in its permits, are accounted for, its lifespan is as shown in the following figure.

Figure 25: Class III Landfill Remaining Life



*Landfill remaining life as permitted in 2010 base on land use permit.

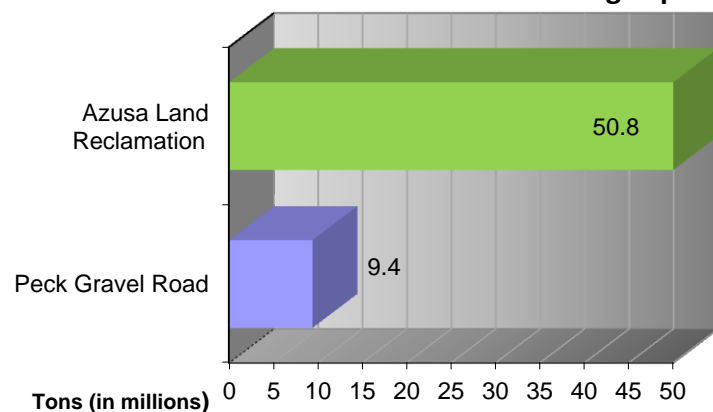
** Landfill Remaining life based on Solid Waste Facility Permit.

Permitted Inert Waste Landfills

There are two Inert Waste Landfills in Los Angeles County that had a Solid Waste Facility Permit in 2010. The combined remaining capacity of these two landfills is estimated at 60.2 million tons or 50 million cubic yards. See **Figure 26** for the breakdown at each facility. Refer to **Appendix E-2 Table 1** for

detailed data. At the average disposal rate of 400 tpd in 2010, this capacity would be exhausted in 339 years. Therefore, the County currently has adequate disposal capacity for inert waste.

Figure 26: Permitted Inert Waste Landfill Remaining Capacity



Inert Debris Engineered Fill Operations

There are other Inert Waste Landfills which do not have a Solid Waste Facility Permit. These landfills are classified as Inert Debris Engineered Fill Operations (IDEFO). The Nu-Way Arrow Reclamation, Inc., Nu-Way Live Oak Reclamation, Inc. and Calmat Reliance Pit #2, and Peck Gravel Road Pit are no longer operating under a full SWFP. In 2006, CalRecycle reclassified them to "Inert Debris Engineered Fill Operations." These sites and other Inert Debris Engineered Fill Operations handled nearly 1.73 million tons or approximately 1.38 million cubic yards of material in the County.

Transfer and Processing Capacity

There are 43 permitted Large Volume Transfer/Processing or Direct Transfer Facilities those receiving 100 tons of waste or more per operating day, and numerous Facilities of smaller volume operating in the County. As local waste disposal capacity options diminish in the County, transfer and processing facilities operators are expected to ship waste to out-of-County landfills via truck or rail transport. Refer to **Appendix E-4** for a list of Large Volume transfer and processing facilities in the County.

On-going Efforts to Maximize Utilization of Existing Disposal Capacity

Over the last decade, the County has encouraged waste diversion and recycling activities at landfills in the County unincorporated areas through the land use permit process. The process incorporates a Waste Plan Conformance Agreement which requires a landfill operator to implement specified waste diversion and recycling programs as well as other activities on- and off-site that will assist jurisdictions in the County in achieving the mandates of AB 939. In addition, the Agreement contains provisions to encourage and assist residents in properly disposing of their wastes. These programs or activities may include:

Conservation of Capacity

- ❖ Maximize available fill capacity by improving compaction methods and diverting or reducing high-volume or low-density waste materials;
- ❖ Conduct waste characterizations;

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On-Site Reuse

- ❖ Utilize waste materials received and processed at the landfill, such as shredded green waste, as a supplement to daily, intermediate, and final cover;
- ❖ Use green waste for other beneficial uses, including composting;
- ❖ Salvage wood wastes for landscaping and erosion, weed, and fire break control;
- ❖ Salvage construction and demolition wastes for road construction, erosion control, and other uses;

Establishment of:

- ❖ Materials recovery operations or facilities;
- ❖ Used oil collection center;
- ❖ Drop-off or buy-back recycling center;

Activities to Encourage Proper Disposal

- ❖ Waste tire processing;
- ❖ Christmas tree recycling;
- ❖ Acceptance of bulky items from residents free of charge;
- ❖ As appropriate, providing reduced rates to customers for source-separated materials which can be diverted or otherwise salvaged at the landfill;
- ❖ Public education activities;

Provide Funding for:

- ❖ Household hazardous and electronic waste collection events; and
- ❖ Research and development of alternative technologies;

Active Class III landfills that have a Waste Plan Conformance Agreement with the County include Chiquita Canyon, Lancaster, Puente Hills, and Sunshine Canyon City/County Landfills. Together, these landfills handle over 85 percent of in-County Class III waste. It should be noted that due to the dynamic nature of solid waste management in the County, the provisions of the Waste Plan Conformance Agreement for each landfill are different and tailored to meet the specific needs of the communities serviced by the landfill.

Due to the economic downturn, increase in diversion rate, and advancements such as improved methods in compaction techniques, existing landfill capacity is being utilized more efficiently. As a direct result of this active Class III landfills are experiencing an increase in air space, remaining capacity, and remaining life.



STRATEGY FOR MAINTAINING ADEQUATE DISPOSAL CAPACITY

This section will discuss how the County plans to maintain adequate solid waste disposal capacity for the next 15 years from 2010 to 2025. The discussion will first evaluate whether the existing disposal infrastructure in the County would be able to accommodate the solid waste generated that cannot be reduced, recycled, or reprocessed. However, as will be shown by the evaluation following, depending on existing infrastructure alone is not sufficient. As a solution, the discussion goes on to present several scenarios utilizing other options to manage the residual solid waste. Note that since the County currently has adequate permitted inert waste landfill capacity as discussed earlier in **Permitted Inert Waste Landfills** (page 25), permitted inert waste landfills will not be included in the discussion.

Definitions

Daily Disposal Demand – The amount of solid waste generated less the amount diverted by means of reuse, recycling, or composting based on a 6-day-per-week operation at permitted solid waste disposal facilities.

Disposal Capacity Reserve – The amount by which the total Daily Available Capacity exceeds Daily Disposal Demand.

Disposal Capacity Shortfall – The amount by which Daily Disposal Demand exceeds the total Daily Available Capacity.

Daily Available Capacity – The amount of waste a permitted solid waste disposal facility is allowed to receive based on a 6-day-per-week operation in accordance with the terms, conditions, and watershed restrictions of the facility's SWFP, land use permit, Waste Discharge Requirements, or any other permit regulating the operation, whichever is more restrictive.

Evaluation of Existing Disposal Infrastructure

Waste Generation Projections

Projections of solid waste generation during the planning period were made using the Adjustment Methodology developed by CalRecycle. The Methodology requires knowledge of the waste distribution by residential and non-residential sectors as well as future population, employment, and real taxable sales.

The distribution by sector data is calculated from each jurisdiction's SRRE based on each jurisdiction's most recently approved base generation year. Based on data provided by CalRecycle, the average Countywide distribution is as follows:

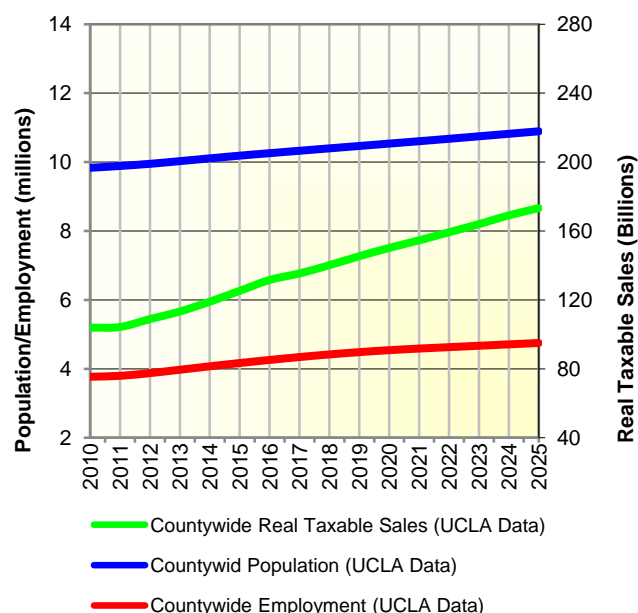
Residential Waste Generation = 27 percent of total waste generation

Non-Residential Waste Generation = 73 percent of total waste generation

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Population, employment, and real taxable sales projections are available from the State Department of Transportation and University of California, Los Angeles (UCLA) for each year of the planning period. The UCLA Long-Term Forecast, published in August 2011, was utilized since it focuses on the Los Angeles region as compared to the State Department of Transportation, which is Statewide and yields more general projections. Additionally, the UCLA forecast data is updated more frequently. The graph below shows the parameters utilized. The detailed data is also provided in **Appendix E-2 Table 3**.

Figure 27: Population, Employment, and Real Taxable Sales



Daily Disposal Demand Projections

The quantity of Daily Disposal Demand depends on the amount of solid waste that may be diverted. As noted in **Waste Generation** (page 18), a diversion rate of 55 percent will be conservatively assumed for analysis in this report. With this assumption, the amount of residual waste that requires disposal capacity will be 45 percent of the projected waste generation.

Transformation Facility Capacity

As explained earlier in **Remaining Disposal Capacity at End of 2010** (page 24), the two transformation facilities in the County are expected to provide up to 645,600 tpy of Daily Available Capacity. Since this limit is not expected to change, the same capacity is projected during the planning period.

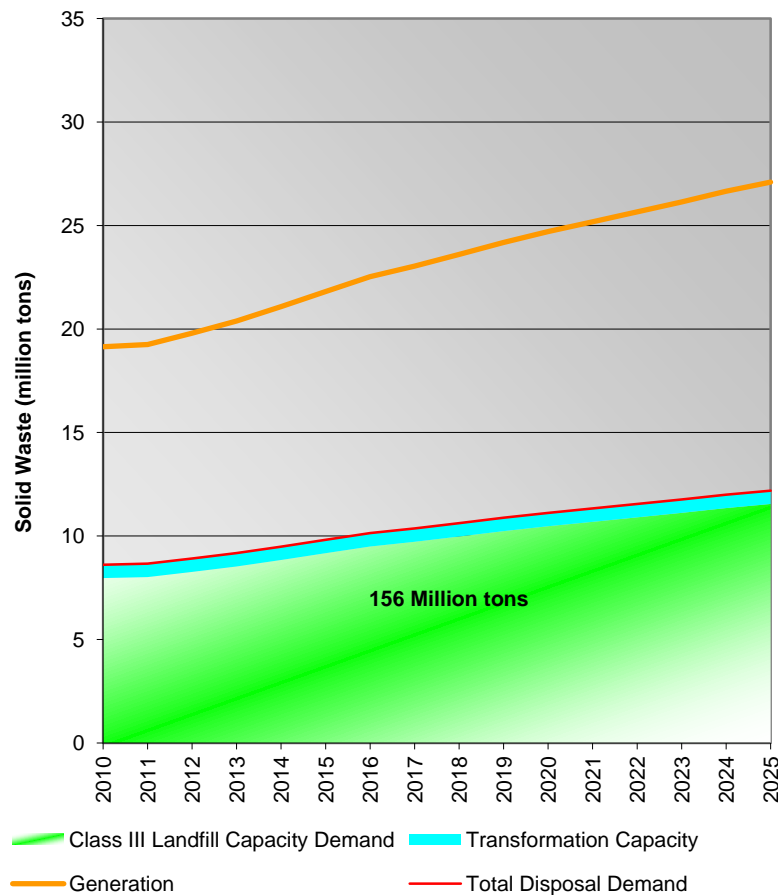
Class III Landfill Capacity Needed

Assuming no other options are available, such as exporting to out-of-County facilities or development of new alternative technologies, the County's Class III landfill disposal needs are determined after considering the available transformation capacity.

Conclusion

The result of the evaluation is plotted in the graph below. The detailed data is also provided in **Appendix E-2 Table 4**.

Figure 28: Solid Waste Generation and Disposal Trend



The area in green illustrates the amount of Class III landfill capacity needed. By the end of year 2025, the cumulative need for Class III landfill capacity totals 156 million tons. However, as shown in **Remaining Disposal Capacity at End of 2010** (page 24), the remaining capacity of all existing Class III landfills amounts to a maximum of 124 million tons, which falls short of the capacity needed. Other constraints that may limit the accessibility of Class III landfill capacity include: watershed boundaries, geographic barriers, weather, and natural disasters. In conclusion, further analysis with more disposal options is necessary to supplement the capacity existing in-County infrastructure provides.

Scenario Analysis

The scenario analysis utilizes the various capacity options currently available or may become available in the future to assist the County in meeting the Daily Disposal Demand. In addition to the existing disposal infrastructure considered above, the analysis will consider the following:

Existing in-County Class III Landfills and Transformation Facilities – The analyses take into account a facility's permitted capacity and watershed restriction, if any.

Proposed Expansions of In-County Class III Landfills – Additional disposal capacity may be provided by the proposed landfill expansions. Detailed discussion is provided in **Proposed Facility Expansions** (page 15).

Various Levels of Imports and Exports – Considering various levels of imported and exported waste from and to out-of-county

jurisdictions. Existing facilities in Orange County, Riverside County, and Ventura County are currently accepting waste from the County. The development of two new out-of-County landfills in Imperial County and Riverside County are also considered. Refer to **Out-of-County Disposal Facilities** (page 39) for more detail.

Alternative Technologies – Potential CT facilities or other alternative technologies may be developed in the near future.

Increased Diversion Rate – The County's continuous diversion efforts may alleviate the Daily Disposal Demand by achieving an increased diversion goal beyond that currently attained.

Given all the various capacity options, the analysis evaluated 9 potential scenarios during the 15-year planning period. The table below summarizes the differences between the scenarios.

For all 9 scenarios, the projected waste generation and Daily Available Capacity from transformation facilities will remain unchanged from the analysis performed in **Evaluation of Existing Disposal Infrastructure** (page 28). Given the current diversion rates achieved by jurisdictions in the county, a conservative diversion rate of 55 percent will be applied, except for those scenarios that consider a higher diversion rate. The analysis will examine closely how much Daily Available Capacity from existing Class III landfills is expected to be utilized during each year. The disposal rate will be based on the average disposal rate in 2010

(see **Disposal Analysis for 2010** on page 17) and increased annually, proportional to the waste generation rate. No new landfills in the County are expected to be permitted during the planning period. In the case where the Daily Disposal Demand cannot be met, the analysis evaluates when a Disposal Capacity Shortfall is expected to occur. Next is a discussion on each of the scenarios.



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	Existing Permitted In-County Class III Landfill Capacity	Current Available Out-of-County Disposal Capacity	Increase in Diversion Rate (up to 65 percent by 2025)	Utilization of Alternative Technology Facility Capacity (up to 3,800 tpd by 2025)	Proposed Expansions of in-County Class III Landfills	Increase In Available Out-of-County Disposal Capacity	Maximizing Diversion Rate (up to 75 percent by 2025)	Increase In Alternative Technology Facility Capacity (up to 8,800 tpd by 2025)	Full Utilization of Out-of-County Disposal Capacity
Scenario No. 1 (Status Quo Scenario)	●	●							
Scenario No. 2 Increase In Diversion Rate (up to 65% by 2025)	●	●	●						
Scenario No. 3 Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025))	●	●	●	●					
Scenario No. 4 (In-County Class III Landfills Expansions with out-of-County Disposal Capacity)	●	●	●	●	●				
Scenario No. 5 (Increase In Available Out-of-County Disposal Capacity)	●	●	●	●	●	●			
Scenario No. 6 Maximizing Diversion Rate (up to 75% by 2025, complies with AB 341 goal)	●	●	●	●	●	●	●		
Scenario No. 7 Increase In Alternative Technology Capacity (up to 8,800 tpd by 2025)	●	●	●	●	●	●		●	
Scenario No. 8 Full Utilization of Out-of-County Disposal Capacity	●	●	●	●	●	●			●
Scenario No. 9 (Best Case Scenario - All Solid Waste Management Options Considered Become Available)	●	●	●	●	●	●	●		●

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Scenario I (Status Quo)

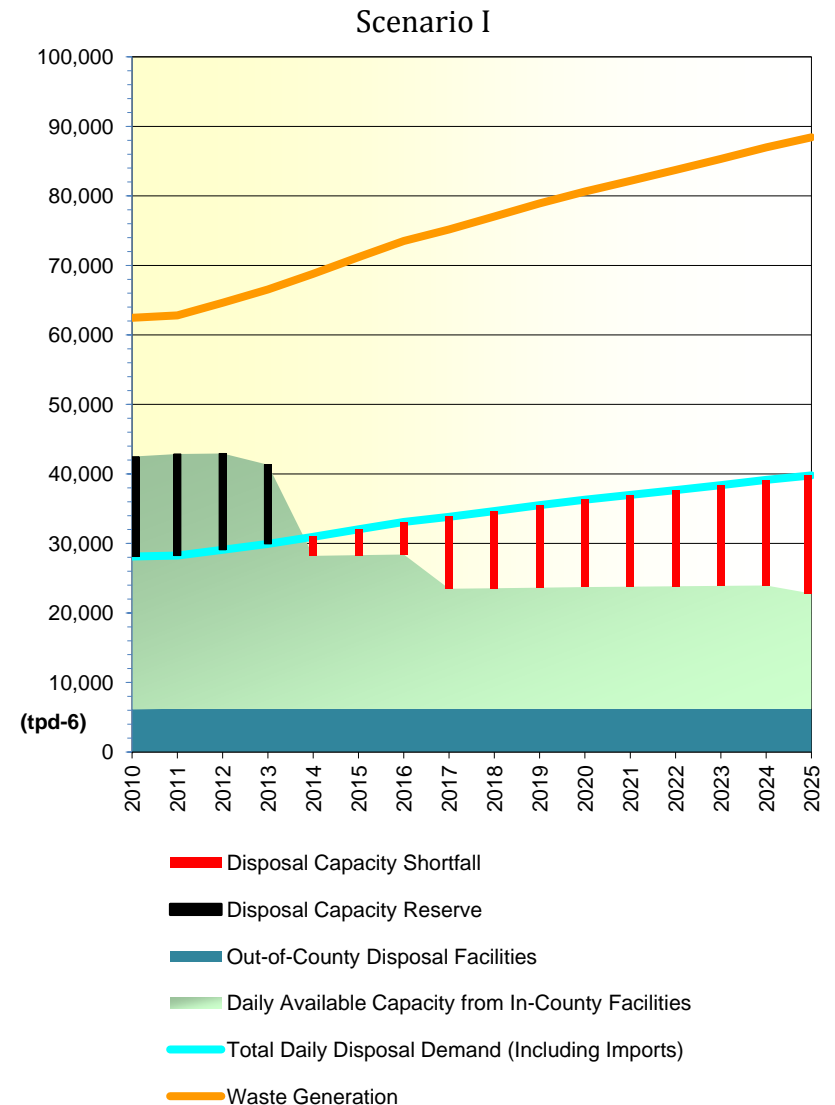
- Existing In-County Class III Landfills and Transformation Facilities
- Current Available Out-of-County Disposal Capacity

Scenario I considers the use of existing disposal infrastructure and utilizes up to 6,200 tpd of out-of-County landfill capacity. The scenario assumes no expansions of existing landfills, no new landfills, and no additional capacity from alternative technologies. The following assumptions are made with respect to imports and exports:

Imports – Based on the average rate of 675 tpd for 2010, waste import quantities are projected to be 700 tpd for every year thereafter.

Exports – The amount of waste exported out-of-County in 2010 was approximately 6,100 tpd and it is assumed to remain at 6,200 tpd through the planning period.

Based on these assumptions, a Disposal Capacity Shortfall is expected to occur beginning in 2014 as shown in the figure to the right. The shortfall would continue through the end of the planning period, when it is estimated to reach 17,700 tpd. Since the shortfall occurs prior to 2025, Scenario I shows that the status quo would not be able to meet the Daily Disposal Demand of the County. Refer to **Appendix E-4** for detailed data.



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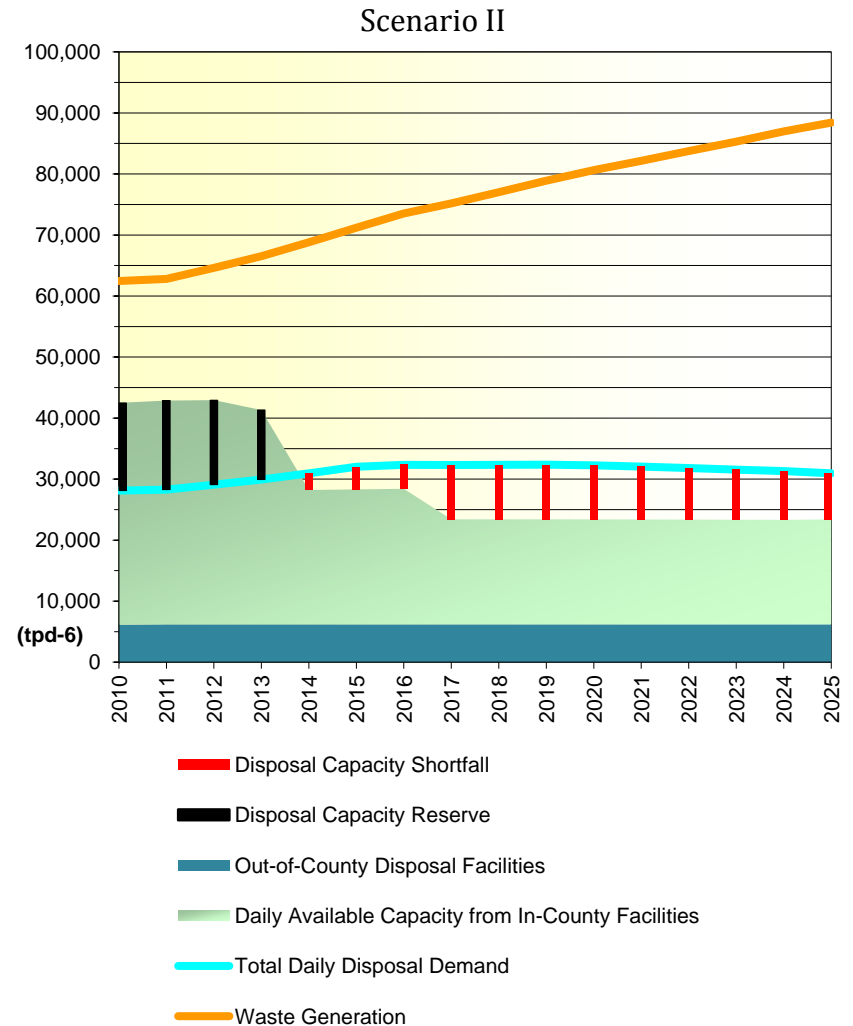
Los Angeles County Countywide Integrated Waste Management Plan

Scenario II (Increase In Diversion Rate- up to 65% by 2025)

- Existing In-County Class III Landfills and Transformation Facilities
- Current Available Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)

Scenario II assumes that all solid waste disposed would be managed by existing disposal infrastructure and the current available Out-of-County disposal capacity. The scenario also assumes an increase in diversion of up to 65% by 2025.

Based on these assumptions, a Disposal Capacity Shortfall is expected to occur beginning in 2014 as shown in the figure. The shortfall would continue through the end of the planning period, when it is estimated to reach 8,200 tpd. Since the shortfall occurs prior to the year 2025, Scenario II shows that development of all in-County proposed expansions alone would not be able to meet the Daily Disposal Demand of the County. Refer to **Appendix E-4** for detailed data.



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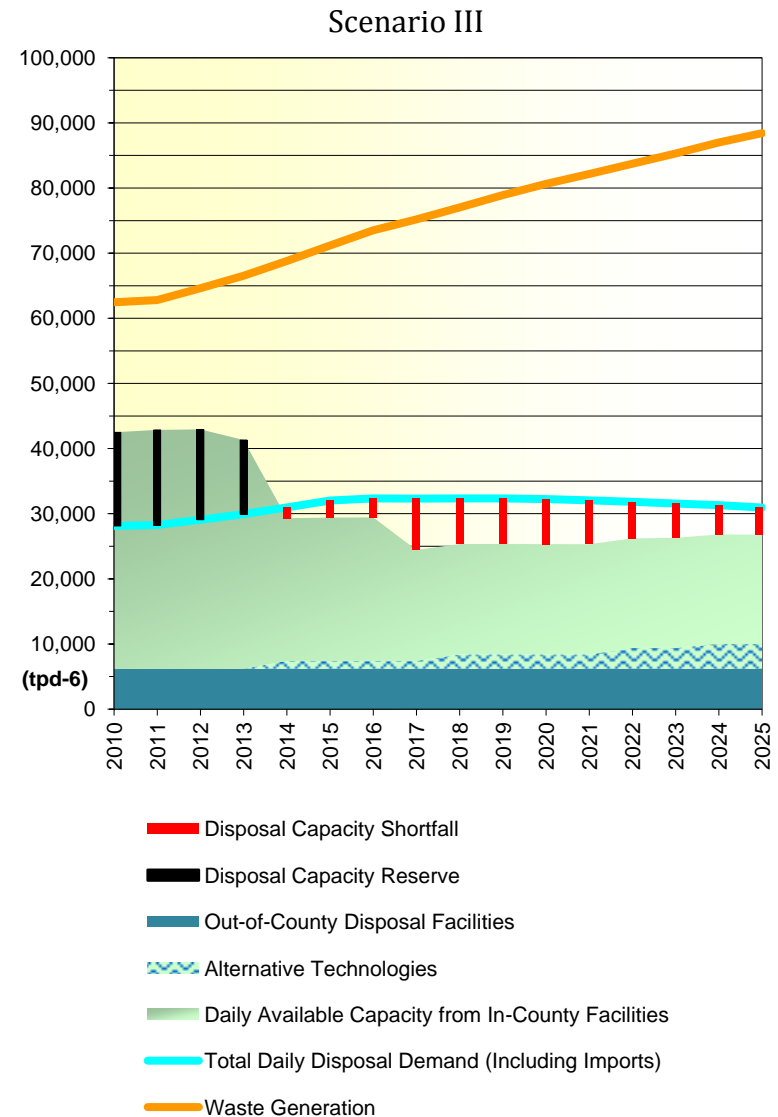
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Scenario III (Utilization of Alternative Technology Capacity- up to 3,800 tpd by 2025)

- Existing In-County Class III Landfills and Transformation Facilities
- Current Available Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)
- Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025)

Scenario III, in accordance with the City of Los Angeles Solid Waste Integrated Resources Plan, assumes that by 2014, alternative technology facilities for residential waste would become operational in the County. The permitted capacity of these facilities is estimated to start at 1,200 tpd in 2014 and increase to 3,800 tpd in 2025.

Based on these assumptions, a Disposal Capacity Shortfall is expected to occur beginning in 2014 and go through the planning period with an increase as high as 8,600 tpd in 2017. Therefore, the increased alternative technology capacity of up to 3,800 tpd by 2025 would not be able to meet the Daily Disposal Demand of the County. Refer to **Appendix E-4** for detailed data.



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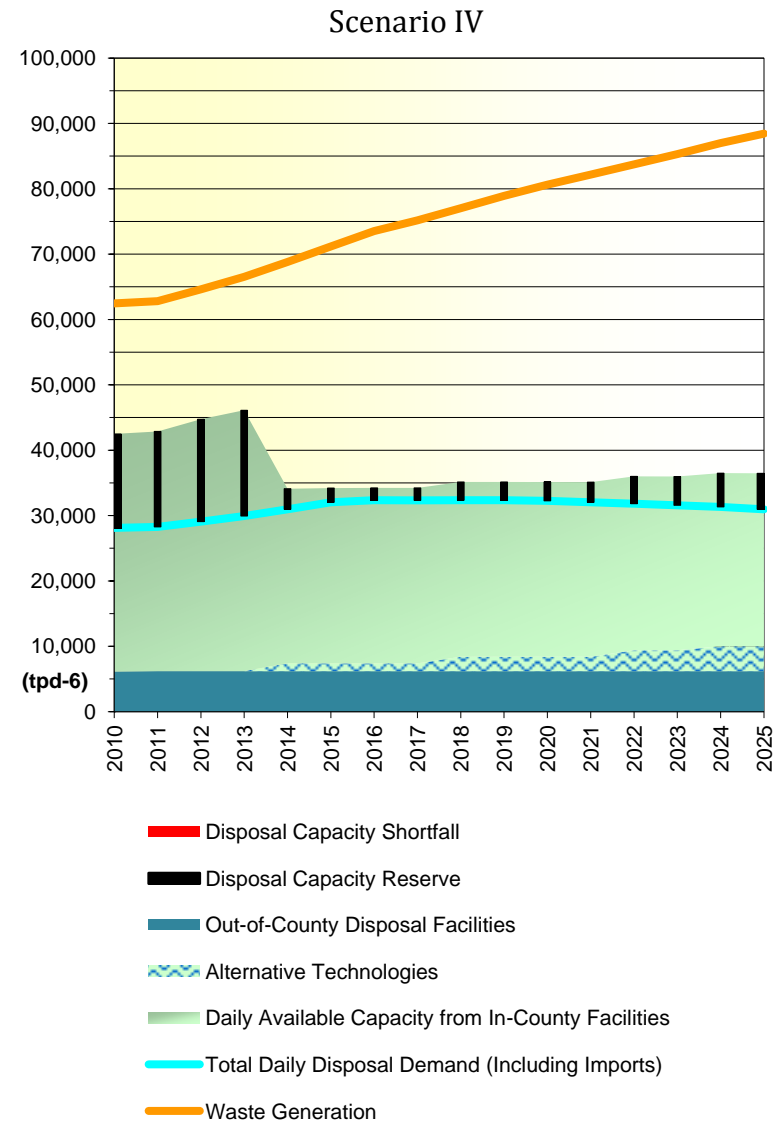
Los Angeles County Countywide Integrated Waste Management Plan

Scenario IV (In-County Class III Landfill Expansions with Out-of-County Disposal Capacity)

- Existing In-County Class III Landfills and Transformation Facilities
- Current Available Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)
- Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Along with the other assumptions mentioned in the previous scenarios, Scenario IV fully utilizes the capacity from existing and proposed expansions of in-County disposal infrastructure. Scenario IV also utilized Out-of-County disposal capacity of 6,200 tpd.

Based on these assumptions, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Therefore, development of proposed expansions, alternative technologies, and exporting up to 6,200 tpd would be able to meet the Daily Disposal Demand of the County. Refer to **Appendix E-4** for detailed data.



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Scenario V (Increase In Available Out-of-County Disposal Capacity)

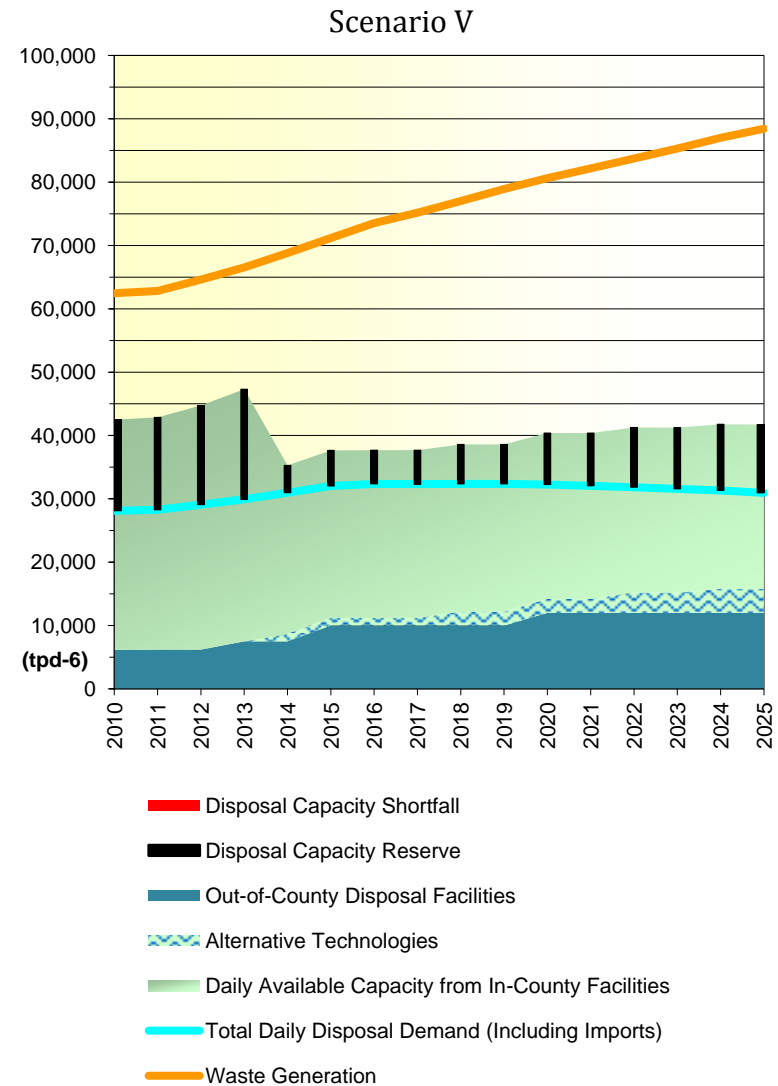
- Existing In-County Class III Landfills and Transformation Facilities
- Increase In Available Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)
- Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Scenario V uses the same assumptions as Scenario IV, with the exception of assuming an increase in alternative technology capacity (up to 3,800 tpd by 2025) and increasing the available Out-of-County Disposal Capacity. The following assumptions are made with respect to imports and exports:

Imports – Based on the rate of 675 tpd for 2010, waste import quantities are projected at 600 tpd for every year thereafter.

Exports – The amount of waste exported out-of-County in 2010 was approximately 6,100 tpd and will be assumed to be 6,200 tpd in 2011 and 2012. It would then increase in 2013 and 2014 to 7,500 tpd. From 2015 to 2019, waste exports would increase to 10,000 tpd and from 2020 to 2025, 12,000 tpd.

Based on these assumptions, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Therefore, development of proposed expansions and exporting up to 12,000 tpd would be able to meet the Daily Disposal Demand of the County. Refer to **Appendix E-4** for detailed data.



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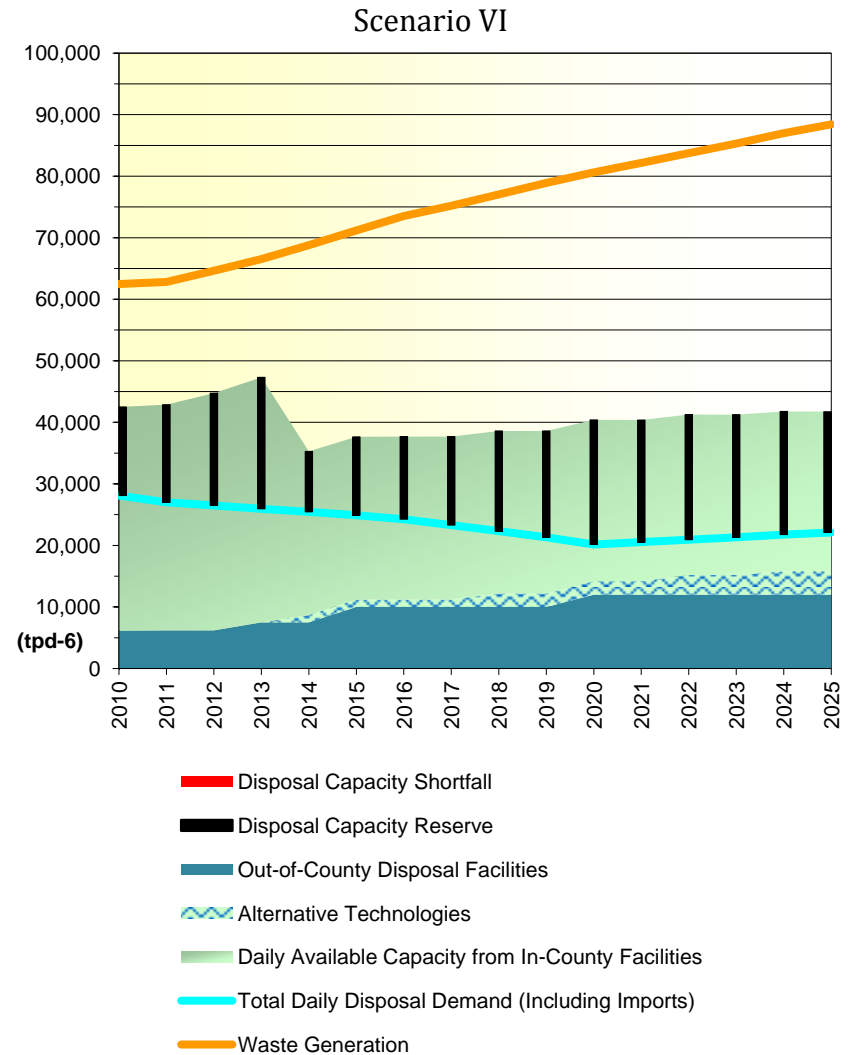
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Scenario VI (Maximizing Diversion Rate- up to 75% by 2025, Complies with AB 341 Goal)

- Existing In-County Class III Landfills and Transformation Facilities
- Increase In Available Out-of-County Disposal Capacity
- Maximizing Diversion Rate (up to 75% by 2025)
- Increase In Alternative Technology Capacity (up to 3,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Scenario VI is similar to Scenario V, with the exception of the diversion rate, which is assumed to increase by two percent each year beginning in 2011 until it reaches 75 percent in 2020. It will remain at 75 percent through 2025. This scenario maximizes the diversion rate by complying with the AB 341 goal.

Based on this analysis, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Refer to **Appendix E-4** for detailed data.



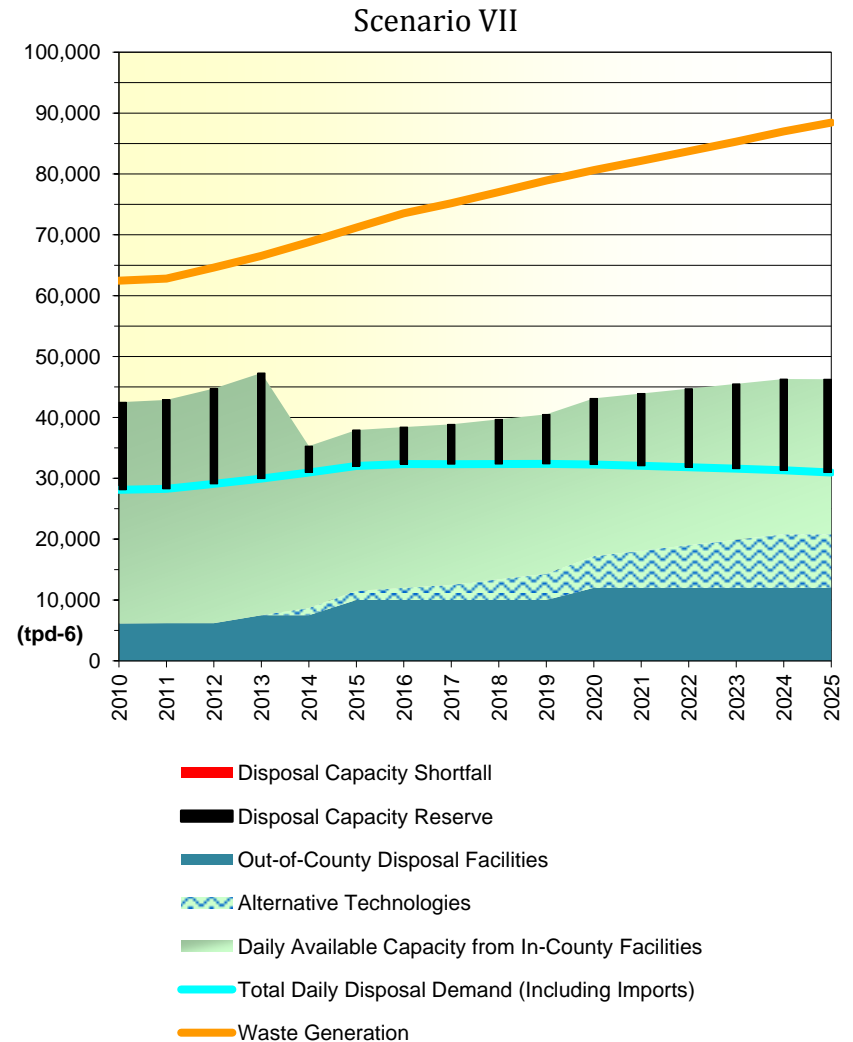
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Scenario VII (Increase In Alternative Technology Capacity- up to 8,800 tpd by 2025)

- Existing In-County Class III Landfills and Transformation Facilities
- Increase In Available Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)
- Increase In Alternative Technology Capacity (up to 8,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Scenario VII is similar to Scenario V, with the exception of the increased alternative technology capacity of up to 8,800 tpd by 2025.

Based on this analysis, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Refer to **Appendix E-4** for detailed data.



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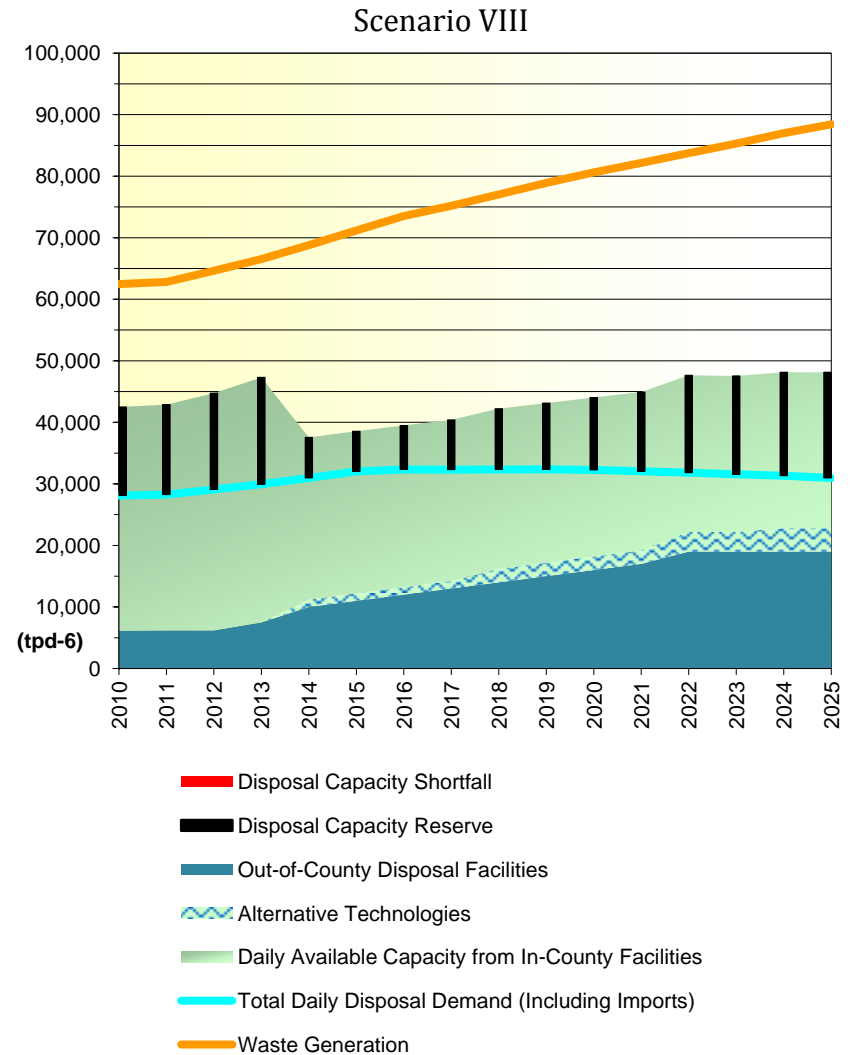
Los Angeles County Countywide Integrated Waste Management Plan

Scenario VIII (Full Utilization of Out-of-County Disposal Capacity)

- Existing In-County Class III Landfills and Transformation Facilities
- Full Utilization of Out-of-County Disposal Capacity
- Increase in Diversion Rate (up to 65% by 2025)
- Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Scenario VIII is similar to Scenario V, with the exception of the full utilization of Out-of-County Disposal Capacity.

Based on this analysis, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Refer to **Appendix E-4** for detailed data.



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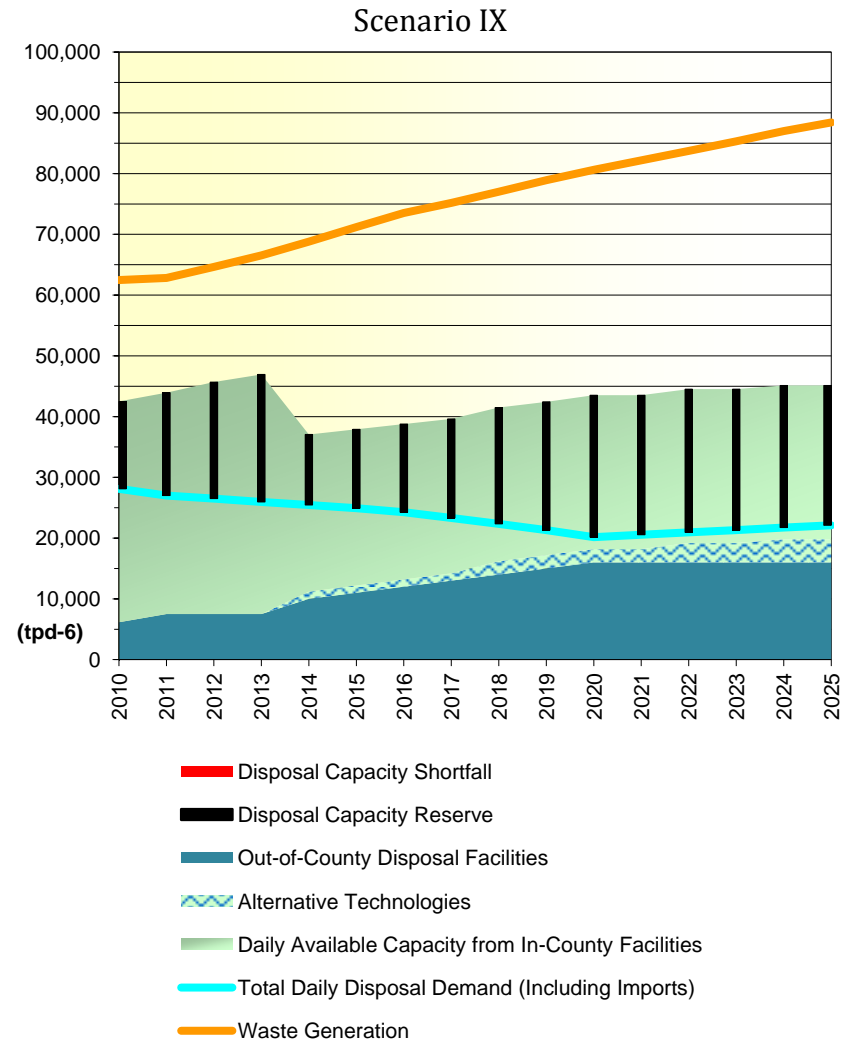
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Scenario IX (All Solid Waste Management Options Considered Become Available)

- Existing In-County Class III Landfills and Transformation Facilities
- Utilization of Out-of-County Disposal Capacity
- Maximizing Diversion Rate (up to 75% by 2025)
- Increase In Alternative Technology Capacity (up to 3,800 tpd by 2025)
- Proposed Expansions of In-County Class III Landfills

Scenario IX includes all solid waste management options mentioned in all of the previous scenarios.

Based on this analysis, a Disposal Capacity Shortfall would be averted during the 15-year planning period. Refer to **Appendix E-4** for detailed data.



Out-of-County Disposal Facilities

The scenario analysis considers the availability or potential availability of these out-of-County disposal facilities:

- ❖ El Sobrante Landfill, Riverside County – It has a remaining capacity of 114 million tons and an expected design lifespan of about 21 years as of January 1, 2011. It is permitted to receive 16,054 tpd of waste for disposal. In 2010, the landfill received an average of 8,100 tpd, of which 3,000 tpd were imported from Los Angeles County. It is assumed that the landfill could receive up to 4,000 tpd from Los Angeles County during the planning period.
- ❖ Frank R. Bowerman Sanitary Landfill, Olinda Alpha Sanitary Landfill, and Prima Deshecha Sanitary Landfill, Orange County – Collectively, these landfills received 2,000 tpd from Los Angeles County in 2010. Orange County currently has waste importation agreements with various entities in Los Angeles County. It is assumed that these landfills could receive up to 4,500 tpd from Los Angeles County through 2015.
- ❖ Simi Valley Landfill & Recycling Center, Ventura County – The Landfill is permitted to receive a maximum of 3,000 tpd, of which 853 tons came from Los Angeles County in 2010. It is assumed that the landfill would continue to receive the same level of waste from Los Angeles County during the planning period.
- ❖ Mesquite Regional Landfill, Imperial County – The Sanitation Districts completed acquisition of the Landfill in 2002 and commenced development of the Landfill. The Landfill is permitted to accept up to 20,000 tpd with a total capacity of 1,164 million tons, which is equivalent to a lifespan of nearly 100 years. It is assumed that the Landfill could receive up to 12,000 tpd from Los Angeles County during the planning period with 1,000 tpd reserved for Imperial County.



In total, these out-of-County landfills could potentially handle up to approximately 24,350 tpd of waste from Los Angeles County. Refer to **Appendix E-2 Table 3** for more detailed data.



Conclusion

The scenario analysis discussed earlier assessed the County's ability to meet the Daily Disposal Demand under 9 scenarios. Under Scenario I (Status Quo), without expanding existing landfills in the County, available disposal capacity would be inadequate to meet the Daily Disposal Demand of all 88 cities and the unincorporated County areas.

Scenario II (Increase In Diversion Rate of up to 65% by 2025) shows that available disposal capacity would still be inadequate to meet the Daily Disposal Demand. Considering the existing in-County landfill disposal capacity and the utilization of up to 6,200 tpd of out-of-County disposal capacity, however, Scenario III (Utilization of Alternative Technology up to 3,800 tpd by 2025) shows a shortfall would still be experienced beginning 2014.

This demonstrates that jurisdictions in Los Angeles County would need to pursue additional strategies to meet the needs of residents and businesses through the 15-year planning period. Scenario IV assessed the effects of expanding existing Class III in-County Landfills with the current available out-of-County disposal capacity. Based on this assumption, a disposal shortfall would not occur during the planning period. Scenarios V through IX individually assessed the effects of maximizing the Countywide diversion rate up to 75 percent by 2025 (in compliance with AB 341 goal), increasing the Alternative Technology capacity up to 8,800 tpd by 2025, and the full utilization of out-of-County disposal capacity of up to 19,000 tpd by 2025. Through the use of these options, Scenarios V through IX show that the County would be able to accommodate the Daily Disposal Demand through the 15-year planning period. The Scenario IX (best case) analysis reveals that by the end of the planning period, exports alone (including waste-by-rail) would be able to provide adequate disposal capacity throughout Los Angeles County, even if in-County Class III landfill expansions or utilization do not occur.

For the conditions depicted in all scenarios (with the exception of the Status Quo) to occur, jurisdictions in Los Angeles County must continue to pursue all of the following strategies:

- ❖ **Expand Existing Landfills** – Expanded landfill capacity is necessary, provided it can be done in a technically feasible and environmentally safe manner.
- ❖ **Study, Promote, and Develop Conversion Technologies** – Development of commercial-scale state-of-the-art

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conversion technologies, as alternatives to landfilling, appears within reach. However, it will require jurisdictions to invest and actively participate in the research, promotion, and development of alternative technology facilities. Actions that may be taken by jurisdictions include:

- Supporting legislation that places these facilities higher than landfilling in the waste management hierarchy
- Entering into waste commitment agreements
- Establishing partnerships with facilities and technology vendors

❖ **Expand Transfer and Processing Infrastructure** – Development of additional in-County solid waste management infrastructure, such as transfer/processing and composting facilities, to assist jurisdictions in achieving higher levels of diversion and to facilitate transport to out-of-County landfills.

❖ **Develop a Waste-by-Rail System** – Currently, nearly all solid waste in Los Angeles County is transported to disposal sites in the metropolitan area by truck. However, as public opposition to siting new or expanding existing disposal facilities near urban areas has grown, sites farther from the Los Angeles Basin have become more desirable, despite the costs associated with longer transport distances. For some sites, such as the Mesquite Regional Landfill in Imperial County which is 210 miles from downtown Los Angeles, rail transport is an efficient means to transport solid waste to remote disposal sites. Transitioning to remote disposal of solid waste that involves rail transport requires new infrastructure and is currently being developed by the Sanitation Districts. The Waste-by-Rail

system will provide long term disposal capacity to replace local landfills as they reach capacity and close. The starting point of the Waste-by-Rail system will be materials recovery facilities (MRFs) or transfer stations located throughout Los Angeles County. Residual waste from the MRFs or transfer stations will be transported via rail to remote landfills for disposal.

❖ **Maximize Waste Reduction and Recycling** – A steady increase in the Countywide diversion rate could significantly reduce the Daily Disposal Demand, extend landfill life, and assure that Los Angeles County will be able to meet the disposal needs of its residents and businesses.

All jurisdictions are strongly encouraged to continue to expand and enhance in programs to maximize Diversion. It should be noted that future conditions considered in this report are projections, and may change based on factors such as decisions made by the 89 jurisdictions or their waste management service providers and other conditions such as changes in regulatory requirements, disposal rates, fuel costs, and traffic congestion.

Nevertheless, the preceding scenario analysis provides a useful tool to assess the ability of jurisdictions in Los Angeles County to meet the disposal needs of their residents and businesses under various conditions. Given that solid waste disposal is an essential public service, it must be provided without interruption in order to protect public health and safety as well as the environment. Accordingly, major concerted actions must continue to be taken by jurisdictions towards expanding and enhancing waste reduction and recycling programs, and implementing prudent Solid Waste Management Strategies.

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Appendix E-1 Solid Waste Facility Fact Sheets

Antelope Valley Recycling & Disposal Facility Unit I

1. FACILITY INFORMATION

Owner: Waste Management of California, Inc.

Operator: Waste Management of California, Inc.

Address: 1200 West City Ranch Road, Palmdale 93551

SWFP No: 19-AA-0009

Last 5-year Review Date: 04/01/2005

Operating Days: Monday-Sunday

SWFP Issue Date: 12/26/95

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	6,539,918 tons	86,600 cubic yards
Estimated Remaining Life:	43 years (based on 492 tpd, 312 days per year)	
In-Place Density:	[0.73] tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	1,400 tons	[1,687 cubic yards]
Yearly Equivalent:	[436,800 tons]	[526,265 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	7 tons	[5 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT - Not Applicable. Landfill is in the jurisdiction of City of Palmdale.

6. WASTE DISCHARGE REQUIREMENTS

Order No.: 6-95-119A2

Effective: 10/10/01

7. FOC GRANT DATE - April 20, 1995

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - There is no wasteshed or restriction on origin of waste.

Notes: 1 - Calculated or assumed quantities are shown in brackets.

Antelope Valley Recycling & Disposal Facility Unit II

1. FACILITY INFORMATION

Owner: Waste Management of California, Inc.

Operator: Waste Management of California, Inc.

Address: 1200 West City Ranch Road, Palmdale 93551

Operating Days: Monday-Sunday

SWFP No: 19-AA-5624

SWFP Issue Date: 06/12/97

Review Date: 06/12/02

5-year Review Due Date: 06/12/07

Last

5-year

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	6,539,918 tons	86,600 cubic yards
Estimated Remaining Life:	43 years (based on 492 tpd, 312 days per year)	
In-Place Density:	[0.73] tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	1,800 tons	[2,169 cubic yards]
Yearly Equivalent:	[561,600 tons]	[676,627 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	492 tons	[674 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 85-512-(5)	Issued: 04/9/92
Permit No.: 93-041-(5)	Issued: 12/1/93

Permit No. 85-512-(5) was amended by the County on December 1, 1993, with Permit No. 93-041-(5) to increase the in-take rate from 600 tpd to 1,800 tpd. Landfill Unit II, which includes most of the remaining capacity, is located in an area that was previously unincorporated but was annexed by the City of Palmdale on August 27, 2003.

6. WASTE DISCHARGE REQUIREMENTS

Order No.: 6-95-119A2	Effective: 10/10/01
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7. FOC GRANT DATE - April 20, 1995

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - There is no wasteshed or restriction on origin of waste.

Notes: 1 - Calculated or assumed quantities are shown in brackets.

Proposed Expansion

Antelope Valley Recycling & Disposal Facility Expansion

1. **FACILITY TYPE** - Class III landfill
2. **OWNER/OPERATOR** - Waste Management of California, Inc.
3. **LOCATION** - 1200 West City Ranch Road, Palmdale 93551
4. **SIZE**

Increase in Proposed Disposal Area:	11 acres	(Total 125 acres)
Increase in Total Acreage of Site:	5 acres	(Total 185 acres)
5. **PROPOSED VOLUMETRIC CAPACITY**

Daily:	3,600 tons	[2,520 cubic yards]
Yearly Equivalent:	[1,123,200 tons]	[786,240 cubic yards]
Additional Facility Capacity:	[8,960,000 tons]	12,800,000 cubic yards
In-Place Density:	0.7 tons/cubic yard	
6. **LAND USE/CONDITIONAL USE PERMIT** - Existing permit was issued April 9, 1992 and amended December 1, 1993. The most current CUP 98-12 and the EIR 03-02 (SCH # 1990010988) were approved on June 9, 2011, effective on June 21, 2011, and expire on June 21, 2014.
7. **LIFE EXPECTANCY** - Additional 8 years.
8. **EXPANSION OPTIONS** - No additional expansion is proposed
9. **POST-CLOSURE USES** - Open space
10. **REMARKS/STATUS** - The Landfill expansion is proposed in the "Bridge Area". The "Bridge Area" is the wedge area between Landfill Unit I and Landfill Unit II.

In 2005, Waste Management, Inc., filed an application with the City of Palmdale for:

 - Consolidation of Landfill Unit I and Landfill Unit II
 - Landfill expansion into the "Bridge Area" with additional capacity of approximately 8.96 million tons.

The City of Palmdale has approved the expansion of Antelope Valley Landfills #1 & #2 on September 19, 2011. The expansion will result in an additional 8.96 million tons of capacity and add approximately 8 years of life to the landfill at the maximum permitted rate of disposal. As part of the expansion, Waste Management is also increasing the daily maximum tonnage from 1,800 tpd to 3,600 tpd.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Bradley Landfill

1. **FACILITY INFORMATION**

Owner: Waste Management , Inc.

Address: 9081 Tujunga Avenue, Sun Valley 91352

SWFP No.: 19-AR-0008 and 19-AR-0004

Last 5-year Review Date: 04/15/03

Operator: Same as owner

Operating Days: Monday-Saturday

SWFP Issue Date: 08/15/96

5-year Review Due Date: 04/15/08

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2010)**

Remaining Permitted Capacity: 0 tons [0 cubic yards]

Estimated Remaining Life: 0 years

In-Place Density: 0.80 tons/cubic yard

3. **MAXIMUM PERMITTED DAILY CAPACITY**

Daily: 10,000 ton [12,500 cubic yards]

Yearly Equivalent: [3,120,000 tons] [3,900,000 cubic yards]

4. **2010 AVERAGE WASTE QUANTITIES DISPOSED**

Daily: 0 tons [0 cubic yards]

5. **LAND USE/CONDITIONAL USE PERMIT**

Permit #: ZA 92-0002 (ZV)

Issued: 04/13/92

Expiration: 04/14/07

Amended by Permit No. ZA 94-0792 (ZV), issued March 18, 1996 (increase capacity from 7,000 tpd to 10,000 tpd)

6. **WASTE DISCHARGE REQUIREMENTS**

Order No.: 94-059

Effective: 06/13/94;

Order No.: 93-062

Effective: 09/27/93, amended by:

Order No.: R4-2006-0007

Effective: 01/19/06

7. **FOC GRANT DATE** - May 16, 1996

8. **PERMITTED WASTE TYPES** - Solid waste

9. **FUTURE LAND USE**

Bradley East - Landfill gas to energy, transfer station

10. **RESTRICTIONS** - There is no wasteshed or restriction on origin of waste.

11. **REMARKS/STATUS** - Bradley Landfill and Recycling Center closed on April 14, 2007, as required by its land use permit. It is currently being used as a transfer and processing center.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Chiquita Canyon Landfill

1. FACILITY INFORMATION

Owner: Chiquita Canyon, LLC
Address: 29201 Henry Mayo Drive, Valencia 91355
(Los Angeles County Unincorporated Area)
SWFP No.: 19-AA-0052
Last 5-year Review Date: 12/01/06

Operator: Waste Connections Inc.
Operating Days: Monday-Saturday
SWFP Issue Date: 09/30/98
5-year Review Due Date: 12/01/11

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	6,233,000 tons	[8,390,000 cubic yards]
Estimated Remaining Life:	6 years (based on 3,493 tpd, 312 days per year)	
In-Place Density:	0.743 tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	6,000 tons	[8,075 cubic yards]
Weekly:	30,000 tons	[40377 cubic yards]
Yearly Equivalent:	[1,560,000 tons]	[2,099,596 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	3,493 tons	[4,701 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 89-081(5)	Issued: 05/09/97	Expiration: 05/24/19
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6. WASTE DISCHARGE REQUIREMENTS

Order No.: 98-086	Effective: 11/02/98;
Order No.: 93-062	Effective: 09/27/93, amended by:
Order No.: R4-2006-0007	Effective: 01/19/06

7. FOC GRANT DATE - February 19, 1998

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - Landfill cannot accept biosolids (sewage sludge). There is no watershed restriction on origin of waste.

11. REMARKS/STATUS - On December 5, 2008, Republic Services, Inc. merged with Allied Waste Industries, Inc. Due to the merger, Republic Services must divest Chiquita Canyon Landfill. On February 6, 2009, Republic Services and Waste Connections signed a definitive agreement providing for the sale of the Chiquita Canyon Landfill to Waste Connections, Inc.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Proposed Expansion

Chiquita Canyon Landfill Expansion

1. **FACILITY TYPE** - Class III landfill
2. **OWNER/OPERATOR** – Chiquita Canyon, LLC/ Waste Connections Inc.
3. **LOCATION** - 29201 Henry Mayo Drive, Valencia 91355 (Los Angeles County Unincorporated Area)
4. **SIZE** - Vertical

Increase in Proposed Disposal Area:	98 acres	(Total 355 acres)
Increase in Total Acreage of Site:	0 acres	(Total 592 acres)
5. **PROPOSED VOLUMETRIC CAPACITY**

Daily:	6,000 tons	[8,043 cubic yards]
Weekly:	30,000 tons	
Yearly Equivalent:	[1,560,000 tons]	[2,091,153 cubic yards]
Additional Facility Capacity:	[32,000,000 tons]	46,000,000 cubic yards
In-Place Density:	0.746 tons/cubic yard	
6. **LAND USE/CONDITIONAL USE PERMIT** - Existing permit issued May 9, 1997 will expire on November 24, 2019.
7. **LIFE EXPECTANCY** - 21 years.
8. **EXPANSION OPTIONS** - No additional expansion is proposed
9. **POST-CLOSURE USES** - Open space
10. **REMARKS/STATUS** - In October 2004, Republic Services, Inc., submitted an application for a new CUP, which is currently being reviewed. Republic Services proposed a horizontal and vertical expansion of about 46 million cubic yards and an increase in disposal area of 98 acres. The weekly disposal capacity would remain unchanged at 30,000 tons.

On December 5, 2008, Republic Services, Inc. merged with Allied Waste Industries, Inc. Due to the merger, Republic Services must divest Chiquita Canyon Landfill. On February 6, 2009, Republic Services and Waste Connections signed a definitive agreement providing for the sale of the Chiquita Canyon Landfill to Waste Connections, Inc.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Lancaster Landfill and Recycling Center

1. FACILITY INFORMATION

Owner: Waste Management of California, Inc.

Operator: Waste Management of California, Inc.

Address: 600 East Avenue "F", Lancaster 93535
(Los Angeles County Unincorporated Area)

Operating Days: Monday-Saturday

SWFP No.: 19-AA-0050

SWFP Issue Date: 09/07/00

Last 5-year Review Date: 11/20/06

5-year Review Due Date: 11/20/11

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	12,750,000 tons	15,549,000 cubic yards
Estimated Remaining Life:	2 years (based on SWFP)	
In-Place Density:	0.82 tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	1,700 tons	[2,048 cubic yards]
Weekly:	[10,200 tons]	[12,289 cubic yards]
Yearly Equivalent:	[530,400 tons]	[639,000 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	825 tons	[1,006 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 93-070-(5)	Issued: 05/13/98	Expiration: 08/1/12
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6. WASTE DISCHARGE REQUIREMENTS

Order No.: 6-95-103 and 6-95-103A	Effective: 09/14/95 and 02/06/97, amended by:
Order No.: 6-00-55	Effective: June 14, 2000

7. FOC GRANT DATE - April 20, 2000

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - The Landfill cannot accept more than 10 tpd of biosolids (sewage sludge). There is no wasteshed restriction on origin of waste.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Proposed Expansion

Lancaster Landfill and Recycling Center Expansion

1. **FACILITY TYPE** - Class III landfill
2. **OWNER/OPERATOR** - Waste Management of California, Inc.
3. **LOCATION** - 600 East Avenue "F", Lancaster 93535
4. **SIZE** - No Change in size

Increase in Proposed Disposal Area: 0 acres
Increase in Total Acreage of Site: 0 acres
5. **PROPOSED VOLUMETRIC CAPACITY**

Daily:	3,000 tons	[3,846 cubic yards]
Yearly Equivalent:	[936,000 tons]	[1,200,000 cubic yards]
Additional Facility Capacity:	0 tons	0 cubic yards
In-Place Density:	0.82 tons/cubic yard	
6. **LAND USE/CONDITIONAL USE PERMIT** - CUP No. 03-170-(5) for the proposed project is pending consideration by the Los Angeles County Regional Planning Commission.
7. **LIFE EXPECTANCY** - 33 years based on 2010 disposal rate of 825 tpd as of December 31, 2010.
8. **EXPANSION OPTIONS** - No additional expansion is proposed
9. **POST-CLOSURE USES** - Open Space
10. **REMARKS/STATUS** - The facility is proposing to expand its permitted daily tonnage from 1,700 to 3,000 tpd. A Preliminary Draft Supplemental EIR (State Clearing House No. 2004061006), dated March 2006, was prepared for this expansion project.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Proposed New Out-of-County Landfill

Mesquite Regional Landfill

1. **PROJECT PROPONENT** - County Sanitation Districts of Los Angeles County
2. **FACILITY TYPE** - Class III landfill
3. **LOCATION** - Adjacent to the Mesquite Gold Mine near Glamis, Imperial County (approximately 35 miles east of the City of Brawley on Highway 78). The site is located 200 miles east of Los Angeles along the Union Pacific Railroad.
4. **SIZE**

Proposed Disposal Area:	2,290 acres
Total Acreage of Site:	4,245 acres
5. **PROPOSED VOLUMETRIC CAPACITY**

Daily:	20,000 tons
Facility Capacity:	600 million tons
6. **LIFE EXPECTANCY** - 100 years
7. **CURRENT STATUS** - In August 2000, the Sanitation Districts entered into a Purchase and Sale Agreement with Arid Operations, Inc., the original project proponent, for the landfill project including permits. After resolution of Federal litigation regarding a land exchange, the purchase was closed in December 2002, and the landfill project is now fully owned by the Sanitation Districts.

Work on the master plan for the system began in fall 2003 and is expected to be completed in early 2006. Following completion of the master plan, the concurrent final design and construction of the facilities necessary to begin operation would be pursued. Construction started on the landfill in 2007 and as of December 24, 2008, all infrastructure required for the landfill to be operational have been constructed. In addition, the landfill received all required permits, including the land use and solid waste facility permits. The permitted daily disposal capacity is 20,000 tons, out of which, 1,000 tpd is reserved for Imperial County.

The Sanitation Districts submitted an application to amend the existing CUP to allow up to 4,000 tpd of waste to be trucked from Los Angeles, and to allow receipt of up to 600 tpd of treated incinerator ash. The Draft EIR is scheduled to be released for public review and comment in mid 2009.

In October 2008, the Sanitation Districts formed initial agreements with Union Pacific Railroad to establish rail transportation service between the intermodal facility and the landfill. The agreements are expected to be finalized by mid 2009.

Pebbly Beach Landfill

1. FACILITY INFORMATION

Owner: City of Avalon

Operator: Seagull Sanitation Systems
(Republic Services, Inc.)

Address: 1 Dump Road, Avalon 90704
(Los Angeles County Unincorporated Area)

Operating Days: Monday-Sunday

SWFP No.: 19-AA-0061

SWFP Issue Date: 04/10/01

Last 5-year Review Date: 11/06/06

5-year Review Due Date: 11/06/11

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	[58,000 tons]	[65,000 cubic yards]
Estimated Remaining Life:	19 years (based on 10 tpd, 312 days per year)	
In-Place Density:	0.89 tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	49 tons	[55 cubic yards]
Yearly Equivalent:	[17,885 tons]	[20,095 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	10 tons	[11 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 96-162-(4)	Issued: 07/29/98	Expiration: 07/29/28
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6. WASTE DISCHARGE REQUIREMENTS

Order No.: R4-2002-0058	Effective: 02/28/02
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7. FOC GRANT DATE - November 21, 1996

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - There is no watershed restriction on origin of waste. However, due to its location on Santa Catalina Island, only the City of Avalon and adjacent unincorporated County areas have access to this facility.

Notes: 1 - Calculated or assumed quantities are shown in brackets.

2 - Remaining permitted capacity includes the expansion capacity granted in CUP No. 96-162-(4), dated July 29, 1998.

3 - Facility operation includes on-site incineration of solid waste.

Peck Road Gravel Pit

1. **FACILITY INFORMATION**

Owner: S.L.S. & N., Inc. (Steve Bubalo)	Operator: Same as Owner
Address: 128 East Live Oak Avenue, Monrovia 91016	Operating Days: Monday-Saturday
SWFP No.: 19-AA-0838	SWFP Issue Date: 11/08/1995
Last 5-year Review Date: 11/13/05	5-year Review Due Date: 11/13/10

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2010)**

Remaining Permitted Capacity:	9,373,505 tons	[6,249,003 cubic yards]
Estimated Remaining Life:	18 years (based on 1,210 tpd, 312 days per year)	
Field Density:	1.5 tons/cubic yard	

3. **MAXIMUM PERMITTED DAILY CAPACITY**

Daily:	1,210 tons	[807 cubic yards]
Weekly:	[7,260 tons]	[4840 cubic yards]
Monthly:	[31,460 tons]	[20,973 cubic yards]
Yearly Equivalent:	[377,520 tons]	[251,680 cubic yards]

4. **2010 AVERAGE WASTE QUANTITIES DISPOSED**

Daily:	0 tons	[0 cubic yards]
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5. **LAND USE/CONDITIONAL USE PERMIT**

Permit No.: 87-24	Issued: 05/17/88	Expiration: 01/01/2025
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6. **WASTE DISCHARGE REQUIREMENTS**

Order No.: 97-008	Effective: 01/27/97
Order No.: 96-023	Effective: 04/01/06

7. **FOC GRANT DATE** - June 16, 1988

8. **PERMITTED WASTE TYPES** - Inert waste only

9. **FUTURE LAND USE** - Open space

10. **RESTRICTIONS** - There is no wasteshed or restriction on origin of waste.

Note: 1 - Calculated or assumed quantities are shown in brackets.

2 - In 2011, the facility surrendered its Solid Waste Facility Permit and is currently operating under a notification as an Inert Debris Engineered Fill Operation (IDEFO).

Proposed Expansion

Peck Road Gravel Pit Expansion

1. **FACILITY TYPE** - Unclassified, inert waste landfill
2. **OWNER/OPERATOR** - S.L.S. & N., Inc.
3. **LOCATION** - 128 East Live Oak Avenue, Monrovia 91016
Peck Road Gravel Pit is located in the City of Monrovia. The expansion area is within the City of Irwindale.
4. **SIZE**

Increase in Proposed Disposal Area:	36.0 acres	(Total 76 acres)
Increase in Total Acreage of Site:	40.32 acres	(Total 85.4 acres)
5. **PROPOSED VOLUMETRIC CAPACITY**

Daily:	1,210 tons	807 cubic yards
Facility Capacity:	7,162,500 tons	[4,775,000 cubic yards]
In-Place Density:	1.5 tons/cubic yard	
6. **LAND USE/CONDITIONAL USE PERMIT** - CUP No. 95-4 was approved on September 14, 2000.
7. **LIFE EXPECTANCY** - 10-15 years
8. **EXPANSION OPTIONS** - No additional expansion is proposed
9. **POST-CLOSURE USES** - Possible access for water recreational area at adjacent property
10. **REMARKS/STATUS** - CUP No. 95-4 for the proposed expansion was approved by the City of Irwindale on September 14, 2000. The EIR was certified on September 14, 2000. The FOC was granted by Task Force on March 21, 2002. The SWFP for the expansion is currently under review.

Puente Hills Landfill

1. FACILITY INFORMATION

Owner: County Sanitation District No. 2 of Los Angeles County	Operator: Same as owner
Address: 13130 Crossroads Parkway South, Industry 91746 (Los Angeles County Unincorporated Area)	Operating Days: Monday-Saturday
SWFP No.: 19-AA-0053	SWFP Issue Date: 07/11/03
Last 5-year Review Date: 12/30/09	5-year Review Due Date: 12/30/14

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	12,516,000 tons	[22,756,000 cubic yards]
Estimated Remaining Life:	3 years (based on SWFP)	
Aggregate Density:	0.55 tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	13,200 tons	[24,000 cubic yards]
Weekly:	[79,200 tons]	[144,000 cubic yards]
Yearly Equivalent:	[4,118,400 tons]	[7,488,000 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	5,901 tons	[10,729 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 02-027-(4)	Issued: 12/18/02	Expiration: 10/31/13
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6. WASTE DISCHARGE REQUIREMENTS

Order No.: R4-2006-0043	Effective: 04/06/06;
Order No.: 93-062	Effective: 09/27/93, amended by:
Order No.: R4-2006-0007	Effective: 01/19/06

7. FOC GRANT DATE - February 20, 2003

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space and recreational use

10. RESTRICTIONS - Limited to 13,200 tpd of solid waste, 11,700 tpd of soil, and 33,000 tpd of beneficial reuse material. The Landfill can only accept treated incinerator ash, and biosolids (sludge) from the operator's wastewater treatment facilities. The Landfill is prohibited by Sanitation Districts' ordinance from accepting wastes from any city having a population of more than 2,500,000 and from any other County having a population of more than 2,000,000.

Notes: 1 - Calculated or assumed quantities are shown in brackets.

Southeast Resource Recovery Facility (SERRF)

1. FACILITY INFORMATION

Owner: City of Long Beach

Address: 120 Pier South Avenue, Long Beach 90802

SWFP No.: 19-AK-0083

Last 5-year Review Date: 07/11/05

Operator: Monterey Pacific Power Corporation

Operating Days: Monday-Friday (receive)
Monday-Sunday (incinerate)

SWFP Issue Date: 03/03/98

5-year Review Due Date: 07/11/10

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

2,240 tpd (based on six days per week)

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily: 2,240 tons (SWFP Requirement)

Yearly: 500,000 tons (Environmental Protection Agency requirement)

4. 2010 AVERAGE WASTE QUANTITIES

Daily Received: 1,572 tpd

Daily Disposed: 1,571 tpd

5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: HDP-84174

6. WASTE DISCHARGE REQUIREMENTS - Not Applicable

7. PERMITTED WASTE TYPES - Solid waste

8. FOC GRANT DATE - September 18, 1997

9. FUTURE LAND USE - Not applicable

10. RESTRICTIONS - There is no wasteshed or restriction on origin of waste.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Sunshine Canyon City Landfill

1. FACILITY INFORMATION

Owner: Browning-Ferris Industries of California, Inc.
Address: 14747 San Fernando Road, Sylmar 91342
SWFP No.: 19-AR-0002-2
Last 5-year Review Date: 05/21/03

Operator: Same as owner
Operating Days: Monday-Saturday
SWFP Issue Date: 05/21/03
5-year Review Due Date: 05/21/08

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

See Fact Sheet on **Sunshine Canyon City/County Landfill**.

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	5,500 tons	[7,051 cubic yards]
Weekly:	30,000 tons	[38,462 cubic yards]
Yearly Equivalent:	[1,560,000 tons]	[2,000,000 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

See Fact Sheets on **Sunshine Canyon City/Canyon County Landfill**.

5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 98-0184(ZC/GPA)(MPR) **Issued:** 2/25/99 **Expiration:** completion of project

6. WASTE DISCHARGE REQUIREMENTS

Order No.: R4-2003-0155 **Effective:** 12/04/03

7. FOC GRANT DATE - April 7, 2003

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - The Landfill cannot accept incinerator ash or biosolids (sewage sludge). On December 8, 1999, the Los Angeles City Council gave approval for the expansion of the Landfill into City territory. As a condition of approval, the City of Los Angeles prohibits the Landfill from accepting any solid waste generated outside the County.

11. REMARKS/STATUS - The City portion of Sunshine Canyon Landfill commenced disposal operations on July 28, 2005. On December 31, 2008, operations in the Sunshine Canyon County Landfill and the Sunshine Canyon City Landfill were combined into one to what is known as the Sunshine Canyon City/County Landfill.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Sunshine Canyon City/County Landfill

1. FACILITY INFORMATION

Owner: Browning-Ferris Industries of California, Inc.
Address: 14747 San Fernando Road, Sylmar 91342
SWFP No.: 19-AA-2000
Last 5-year Review Date: 07/07/08

Operator: Same as owner
Operating Days: Monday-Saturday
SWFP Issue Date: 07/07/08
5-year Review Due Date: 07/07/13

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

Remaining Permitted Capacity:	[80,805,000 tons]	107,740,000 cubic yards
Estimated Remaining Life:	21 years (based on 12,100 tpd, 312 days per year)	
In-Place Density:	0.75 tons/cubic yard	

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	12,100 tons	[16,133 cubic yards]
Weekly:	72,600 tons	[96,800 cubic yards]
Yearly Equivalent:	[3,775,200 tons]	[5,033,600 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

Daily:	7,845 tons	[10,460 cubic yards]
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5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 98-0184	Issued: 01/22/00	Expiration: completion of project
Permit No.: 00-194-(5)	Issued: 05/24/07	Expiration: 02/05/37

6. WASTE DISCHARGE REQUIREMENTS

Order No.: R4-2007-0064	Effective: 12/06/07;
Order No.: R4-2008-0088	Effective: 10/02/08
Order No.: 93-062	Effective: 09/27/93, amended by:
Order No.: R4-2006-0007	Effective: 01/19/06;

7. FOC GRANT DATE – December 18, 2008

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - The Landfill cannot accept incinerator ash or biosolids (sewage sludge). The Landfill is prohibited from accepting any solid waste generated outside the County.

11. REMARKS/STATUS - On December 31, 2008, operations in the Sunshine Canyon County Landfill and the Sunshine Canyon City Landfill were combined into one to what is known as the Sunshine Canyon City/County Landfill.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Sunshine Canyon County Landfill

1. FACILITY INFORMATION

Owner: Browning-Ferris Industries of California, Inc.
Address: 14747 San Fernando Road, Sylmar 91342
(Los Angeles County Unincorporated Area)
SWFP No.: 19-AA-0853
Last 5-year Review Date: 02/21/07

Operator: Same as owner
Operating Days: Monday-Saturday
SWFP Issue Date: 02/21/07
5-year Review Due Date: 02/21/12

2. REMAINING PERMITTED CAPACITY (as of December 31, 2010)

See Fact Sheet on **Sunshine Canyon City/County Landfill**.

3. MAXIMUM PERMITTED DAILY CAPACITY

Daily:	6,600 tons	[10,000 cubic yards]
Weekly:	36,000 tons	[54,545 cubic yards]
Yearly Equivalent:	[1,872,000 tons]	[2,836,363 cubic yards]

4. 2010 AVERAGE WASTE QUANTITIES DISPOSED

See Fact Sheets on **Sunshine Canyon City/Canyon County Landfill**.

5. LAND USE/CONDITIONAL USE PERMIT

Permit No.: 86-312-5	Issued: 10/21/93	Expiration: completion of project
Permit No.: 00-194-5	Issued: 02/06/07	Expiration: 02/05/37

6. WASTE DISCHARGE REQUIREMENTS

Order No.: 91-091	Effective: 07/22/91;
Order No.: R4-2007-0064	Effective: 12/06/07;
Order No.: R4-2007-0033	Effective: 06/07/07;
Order No.: R4-2007-0023	Effective: 04/05/07;
Order No.: 93-062	Effective: 09/27/93, amended by:
Order No.: R4-2006-0007	Effective: 01/19/06

7. FOC GRANT DATE - August 15, 1991

8. PERMITTED WASTE TYPES - Solid waste

9. FUTURE LAND USE - Open space

10. RESTRICTIONS - The Landfill cannot accept incinerator ash or biosolids (sewage sludge). On February 6, 2007, the Los Angeles Board of Supervisors gave approval for the expansion of the Landfill. As a condition of approval, the Landfill prohibited from accepting any solid waste generated outside the County.

11. REMARKS/STATUS - On December 31, 2008, operations in the Sunshine Canyon County Landfill and the Sunshine Canyon City Landfill were combined into one to what is known as the Sunshine Canyon City/County Landfill.

Note: 1 - Calculated or assumed quantities are shown in brackets.

Appendix E-2 Tables

2010 ANNUAL REPORT
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-2 TABLE 1
REMAINING PERMITTED DISPOSAL CAPACITY OF EXISTING SOLID WASTE DISPOSAL FACILITIES IN LOS ANGELES COUNTY

Facility	Solid Waste Facility Permit Number	Location	Permitted Operation days/week	SWFP Maximum Daily Capacity	LUP Maximum Daily Capacity	2010 Annual Disposal (Million Tons) (See Note 1)			2010 Average Daily Disposal tpd-6 (See Note 1)			Projected 2011 Average Daily Disposal tpd-6 (See Note 2)			Estimated Remaining Permitted Capacity (as of December 31, 2010) (See Note 3)		Comments
		City or Unincorporated Area		Tons	Tons	In-County	Out-of-County	Total	In-County	Out-of-County	Total	In-County	Out-of-County	Total	Million Tons	Million (a) Cubic Yards	
Antelope Valley	19-AA-0009	Palmdale	7	1,400	---	0.144	0.009	0.154	462	30	492	444	9	453	6.540	0.087	The City of Palmdale has approved the expansion on Antelope Valley Landfills #1 & #2 on September 19, 2011. The expansion will result in an additional capacity of about 9 million tons. See page 47 for additional information.
	19-AA-5624	Palmdale		1,800 (b)	1,800												
Burbank	19-AA-0040	Burbank	5	240	---	0.038	0.000	0.038	121	0	121	117	0	117	2.846	5.174	Limited to use by City of Burbank's crews only.
Calabasas	19-AA-0056	Unincorporated Area	6	3,500	---	0.238	0.015	0.253	762	50	812	794	48	842	6.031	13.493	Limited to the Calabasas Wasteshed as defined by Los Angeles County Ordinance No. 91-0003.
Chiquita Canyon	19-AA-0052	Unincorporated Area	6	6,000	6,000	1.080	0.010	1.090	3,461	31	3,493	3,688	29	3,718	6.233	8.390	Proposed expansion pending. LUP limits waste disposal to 30,000 tons per week. LUP expires 11/24/2019. New CUP pending.
Lancaster	19-AA-0050	Unincorporated Area	6	1,700	1,700	0.226	0.032	0.257	723	101	825	727	53	780	0.886	1.080	LUP expires 08/01/2012.
Pebbly Beach	19-AA-0061	Unincorporated Area	7	49	49	0.003	0.000	0.003	10	0	10	10	0	10	0.058	0.065	LUP expires 07/29/2028.
Puente Hills	19-AA-0053	Unincorporated Area	6	13,200	13,200	1.817	0.024	1.841	5,825	76	5,901	5,449	74	5,523	12.516	22.756	LUP limits waste disposal to 72,000 tons per week. Does not accept waste generated from Orange County and portions of the City of Los Angeles outside the wasteshed boundary. Closure date is Oct 31, 2012.
San Clemente	19-AA-0063	Unincorporated Area	2	10	---	0.000	0.000	0.000	1	0	1	1	0	1	0.039	0.310	Landfill owned and operated by the U.S. Navy.
Scholl Canyon	19-AA-0012	Glendale	6	3,400	---	0.245	0.000	0.245	786	0	786	753	0	753	4.104	8.445	Limited to the Scholl Canyon Wasteshed as defined by City of Glendale Ordinance No. 4782.
Sunshine Canyon City/County	19-AA-2000	Los Angeles/ Unincorporated Area	6	12,100	12,100	2.447	0.000	2.448	7,844	1	7,845	7,577	1	7,577	80.805	101.006	The combined Sunshie Canyon City/County Landfill became effective December 31, 2008, based on a memorandum of understanding between the City and County of Los Angeles.
Whittier (Savage Canyon)	19-AH-0001	Whittier	6	350	350	0.075	-	0.075	240	0	240	245	0	245	3.788	5.997	
TOTAL				43,749		6.313	0.091	6.404	20,235	290	20,525	19,805	215	20,020	123.846	166.803	

Waste-to-Energy (Transformation) Facilities																	
Commerce Refuse To-Energy Facility	19-AA-0506	Commerce	7	1,000	---	0.095	0.005	0.101	305	18	322	309	17	326	467 (c)	778	Assumed to remain operational during the 15-year planning period.
Southeast Resource Recovery Facility	19-AK-0083	Long Beach	7	2,240	---	0.444	0.045	0.489	1,423	143	1,566	1,350	133	1,483	1602 (d)	2670	Assumed to remain operational during the 15-year planning period.
TOTAL				3,240		0.539	0.050	0.589	1,728	161	1,889	1,659	150	1,809	2069 (e)	3448	
Permitted Inert Landfills																	
Azusa Land Reclamation	19-AA-0013	Azusa	6	6,500	---	0.055	0.070	0.125	176	224	400	196	183	379	50.844	42.724	By Court Order, on 10/2/96, the California Regional Water Quality Control Board-Los Angeles region ordered the Azusa Land Reclamation Landfill to stop accepting Municipal Solid Waste. Permitted daily capacity of 6,500 tpd consists of 6,000 tpd of refuse and 500 tpd of inert waste. Facility
TOTAL				6,500		0.055	0.070	0.125	176	224	400	196	183	379	50.844	42.724	

Out-of-County Disposal																	
Waste Exported in 2010 Los Angeles County to Out-of-County Class III Disposal Facilities =				1,917,993 tons				6,147 tpd-6									

NOTES:

- Disposal quantities are based on actual tonnages reported by owners/operators of permitted solid waste disposal facilities to the Los Angeles County Department of Public Works through the State Disposal Reporting System.
- Projections based on third and fourth quarters of 2010 and first and second quarters of 2011.
- Estimated Remaining Permitted Capacity based on landfill owner/operator responses in a written survey conducted by Los Angeles County Department of Public Works in March 2010 as well as a review of site specific permit criteria established by local land use agencies, Local Enforcement Agencies, California Regional Water Quality Control Board, and the South Coast Air Quality Management District.

Abbreviation:

LUP Land Use Permit or Conditional Use Permit

SWFP Solid Waste Facility Permit

FOOTNOTES:

(a) Conversion factor based on in-place solid waste density if provided by landfill operators, otherwise a conversion factor of 1,200 lb/cy was used.

(b) Antelope Valley Landfill's daily capacity of 1,800 tons is based on the Solid Waste Facility Permit issued on 12/26/95 for the unincorporated County landfill area (expansion capacity included).

(c) Based on the Solid Waste Facility Permit limit of 2,800 tons per week, expressed as a daily average, six days per week.

(d) Based on EPA limit of 500,000 tons per year, expressed as a daily average, six days per week.

(e) Tonnage expressed as a daily average, six days per week.

2010 Annual Report
Los Angeles County Countywide Integrated Waste Management Plan

APPENDIX E-2 TABLE 2
DISPOSAL CAPACITY OF INERT DEBRIS ENGINEERED FILL OPERATIONS IN LOS ANGELES COUNTY

Facility	Solid Waste Facility Permit	Location	Operation days/week	SWFP Maximum Daily Capacity		2010 Average Daily Disposal ¹		2010 Annual Disposal ²	
				(cubic yards)	(tpd-6)	(cubic yards)	(tpd-6)	(million cubic yards)	(million tons)
Atkinson Brick Company	N/A	Los Angeles	6	N/A	N/A	456	570	0.14	0.18
Chandler's Palos Verdes Sand & Gravel	19-AE-0004	Rolling Hills Estates	6	1,282	1,603	136	170	0.04	0.05
Hanson Aggregates (Livingston-Graham)	19-AA-0044	Irwindale	6	1,280	1,600	0	0	0.00	0.00
Lower Azusa Reclamation Project	19-AA-0868	Arcadia	6	4,000	5,000	2,165	2,706	0.68	0.84
Manning's Pit	N/A	Irwindale	6	N/A	N/A	0	0	0.00	0.00
Montebello Land & Water Co.	19-AA-0019	Montebello	6	1	1	1	1	0.00	0.00
Nu-Way Arrow	19-AA-1074	Irwindale	6	6,000	7,500	1,546	1,932	0.48	0.60
Nu-Way Live Oak	19-AA-0849	Irwindale	6	6,000	7,500	0	0	0.00	0.00
Reliance Pit #2 (CalMat) Vulcan	19-AA-0854	Irwindale	6	4,800	6,000	91	114	0.03	0.04
Strathern Landfill	19-AR-1016	Los Angeles	6	2,160	2,700	0	0	0.00	0.00
Sun Valley (CalMat/Vulcan)	19-AR-1160	Los Angeles	6	1,458	1,823	42	53	0.01	0.02
Peck Road Gravel Pit	19-AA-0838	Monrovia	6	968	1,210	0	0	0.00	0.00
United Rock	N/A	Irwindale	6	N/A	N/A	0	0	0.00	0.00
TOTAL				27,949	34,936	4,437	5,546	1.38	1.73

NOTES:

- 1. Disposal quantities for 2010 are based on actual tonnages reported by owners/operators through the Solid Waste Management Fee invoice receipt.
- 2. Conversion factor based on in-place solid waste density if provided by landfill operators, otherwise a conversion factor of 2,500 lb/cy was used.

Source: Los Angeles County Department of Public Works, October 2011

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**APPENDIX E-2 TABLE 3
OUT-OF-COUNTY LANDFILLS CURRENTLY AVAILABLE FOR USE BY JURISDICTIONS IN LOS ANGELES COUNTY
As of January 1, 2011**

Facility Location Owner/Operator	Rail Access	Distance from Los Angeles County ¹	2010 Average Daily Disposal Rate (tpd-6)	Anticipated Maximum Disposal from Los Angeles County (tpd)	2010 Average Disposal from Los Angeles County ^{2,3} (tpd- 6)	Operation days/week	Permitted Daily Capacity (tpd-6)	Remaining Permitted Disposal Capacity (million tons) ⁴	Remaining Design Life (years)	Tipping Fees ⁵	Import Surcharge ⁶	Comments
El Sobrante Landfill Riverside County Waste Mgmt., Inc.	NO	60 miles	8,100	4,000	3,044	6	16,054	114	21	\$34.37 per ton	\$5 per ton	Permitted to import out-of-County waste up to 60% of permitted daily capacity and 70,000 tons/week. Remaining capacity and design life are based on the SWED which was approved by the Waste Board on 12/15/09.
Frank R. Bowerman Sanitary Landfill Orange County O.C. Integrated Waste Mgmt. Dept	NO	45 miles	4,473	1,500	667	6	11,500	120	43	\$54.30 per ton	0	There is no importation fee for waste delivered under an imported waste contract. Imported waste tonnage is received under 10-year contracts with franchise waste haulers and continues through 2013 at the Frank R. Bowerman Landfill and 2015 at the Olinda Alpha and Prima Deshecha Landfills.
Olinda Alpha Sanitary Landfill Orange County O.C. Integrated Waste Mgmt. Dept	NO	30 miles	5,541	1,500	1,001	6	8,000	29	11	\$54.30 per ton	0	
Prima Deshecha Sanitary Landfill² Orange County O.C. Integrated Waste Mgmt. Dept	NO	60 miles	1,275	1,500	334	6	4,000	89	57	\$54.30 per ton	0	
Simi Valley Landfill & Recycling Center Ventura County Waste Mgmt., Inc.	NO	50 miles	2,243	850	853	7	3,000	15	16	\$48.50 per ton	0	No limits on maximum tonnage that can be imported. Waste Management is currently seeking an expansion that will increase the daily maximum tonnage from 3,000 tpd to 4,000 tpd.
Mesquite Regional Landfill Imperial County County Sanitation Districts of Los Angeles County	YES	210 miles	—	12,000	—	—	20,000	1,164	100	—	\$1-\$5 per ton	In operation in 2009. Permitted to reserve up to 1,000 tpd of available capacity for Imperial County wastestream. Up to 4,000 tpd may be transported by rail.
Avenal Landfill King County Madera Disposal Systems, Inc.	YES	195 miles	2,150	3,000	0	7	6,000	15	12	—	—	
TOTAL				24,350	5,900							

NOTES:

- Distance is measured from Downtown Los Angeles, California.
- Estimated quantity based on the Disposal Reporting System information from the respective Counties.
- Waste exported to other Counties (i.e. Kern, Kings, San Bernardino, San Diego, and Stanislaus) account for another 426 tons per day. Total Waste exported is approximately 5,870 tons per day.
- Estimated quantity provided by landfill operators in tons, otherwise a conversion factor of 1,200 lb/cy was used.
- Tipping fees as of January 1, 2011.
- Fees charged for disposal of out-of-County waste based on the base disposal fee charged by the operator.

Source: Los Angeles County Department of Public Works, October 2011

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LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-2 TABLE 4
POPULATION, EMPLOYMENT, AND REAL TAXABLE SALES IN LOS ANGELES COUNTY

YEAR	POPULATION		EMPLOYMENT		REAL TAXABLE SALES	
	(persons)	(millions of persons)	(persons)	(millions of persons)	(dollars)	(billions of dollars)
2010	9,836,000	10	3,768,800	4	103,900,000,000	103.9
2011	9,889,000	10	3,796,200	4	104,300,000,000	104.3
2012	9,951,000	10	3,875,000	4	108,900,000,000	108.9
2013	10,029,000	10	3,972,600	4	113,300,000,000	113.3
2014	10,109,000	10	4,072,600	4	119,000,000,000	119.0
2015	10,187,000	10	4,167,500	4	125,300,000,000	125.3
2016	10,259,000	10	4,256,900	4	131,600,000,000	131.6
2017	10,329,000	10	4,342,000	4	135,400,000,000	135.4
2018	10,398,000	10	4,417,700	4	140,200,000,000	140.2
2019	10,467,000	10	4,484,700	4	145,400,000,000	145.4
2020	10,536,000	11	4,541,700	5	150,200,000,000	150.2
2021	10,605,000	11	4,588,300	5	154,600,000,000	154.6
2022	10,675,000	11	4,629,600	5	159,300,000,000	159.3
2023	10,747,000	11	4,670,000	5	164,000,000,000	164.0
2024	10,819,000	11	4,710,700	5	169,100,000,000	169.1
2025	10,891,000	11	4,750,300	5	173,300,000,000	173.3

NOTES:

1. Projection data is from UCLA Anderson Forecast for Los Angeles County dated August 2011.

Source: Los Angeles County Department of Public Works, October 2011

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**APPENDIX E-2 TABLE 5
LOS ANGELES COUNTY SOLID WASTE DISPOSAL CAPACITY
FOR PLANNING PERIOD 2010-2025**

A	B	C	D	E	F	G	H	I	J
YEAR	TOTAL GENERATION TONS	PERCENT DIVERSION (ASSUMED)	TOTAL DIVERSION TONS	PROJECTED TRANSFORMATION & CLASS III LANDFILL DISPOSAL (TONS)	AVAILABLE TRANSFORMATION CAPACITY TONS	CLASS III LANDFILL DISPOSAL NEED			
						ANNUAL		CUMULATIVE (YEAR'S END)	
						TONS	CUBIC YARDS	TONS	CUBIC YARDS
2010	19,489,744	55%	10,719,359	8,770,385	645,600	8,124,785	13,541,308	8,124,785	13,541,308
2011	19,597,652	55%	10,778,709	8,818,944	645,600	8,173,344	13,622,239	16,298,129	27,163,548
2012	20,163,061	55%	11,089,683	9,073,377	645,600	8,427,777	14,046,296	24,725,906	41,209,843
2013	20,758,574	55%	11,417,216	9,341,358	645,600	8,695,758	14,492,930	33,421,664	55,702,774
2014	21,465,309	55%	11,805,920	9,659,389	645,600	9,013,789	15,022,981	42,435,453	70,725,755
2015	22,208,722	55%	12,214,797	9,993,925	645,600	9,348,325	15,580,542	51,783,778	86,306,297
2016	22,938,233	55%	12,616,028	10,322,205	645,600	9,676,605	16,127,675	61,460,383	102,433,972
2017	23,455,058	55%	12,900,282	10,554,776	645,600	9,909,176	16,515,294	71,369,559	118,949,265
2018	24,031,635	55%	13,217,399	10,814,236	645,600	10,168,636	16,947,726	81,538,195	135,896,992
2019	24,621,187	55%	13,541,653	11,079,534	645,600	10,433,934	17,389,891	91,972,129	153,286,882
2020	25,155,998	55%	13,835,799	11,320,199	645,600	10,674,599	17,790,998	102,646,728	171,077,881
2021	25,635,173	55%	14,099,345	11,535,828	645,600	10,890,228	18,150,380	113,536,956	189,228,261
2022	26,127,086	55%	14,369,897	11,757,189	645,600	11,111,589	18,519,315	124,648,545	207,747,575
2023	26,617,529	55%	14,639,641	11,977,888	645,600	11,332,288	18,887,146	135,980,833	226,634,722
2024	27,141,048	55%	14,927,576	12,213,471	645,600	11,567,871	19,279,786	147,548,705	245,914,508
2025	27,589,195	55%	15,174,057	12,415,138	645,600	11,769,538	19,615,896	159,318,242	265,530,404

NOTES:

1. Waste generation (Column B) is calculated using the Waste Board's Adjustment Methodology, utilizing employment, population, and taxable sales projections from UCLA.
2. Waste generation for 2010 is based on actual in-County and out-of-County transformation and Class III landfill disposal by jurisdictions in Los Angeles County. A 55 percent diversion rate is assumed. These tonnages DO NOT include inert waste disposed at permitted Inert landfills.
3. The 2010 transformation and Class III landfill disposal quantity (first figure under Column E) is based on tonnages reported by permitted solid waste disposal facility operators in Los Angeles County and export quantities reported by other counties to the Los Angeles County Department of Public Works as part of the 2010 Disposal Quantity Reporting data.
4. Columns H and J are based on Columns G and I, respectively, using an in-place waste density of 1,200 lb/cy.

Source: Los Angeles County Department of Public Works, October 2011

Appendix E-3 Comparison of Daily Disposal Demand and SB 1016 Limit

APPENDIX E-3
BASE YEAR PROJECTIONS BASED ON SB 1016 LIMIT

Year	Generation (Annual Tons)	Population	Per Capita Generation (Lbs/Resident/Day)
2003	23,798,794	9,993,000	13.05
2004	23,933,735	10,105,000	12.98
2005	24,623,753	10,184,000	13.25
2006	23,614,933	10,233,000	12.65
Four-year Average of Generation:			12.98
Diversion requirement level:			50%
Per Capita Disposal Equivalent:			6.49
Per Capita Transformation credit limit (=10% x 13.0):			1.30
Year	Disposal (Annual Tons)	Population	Per Capita Disposal without Transformation Credit (Lbs/Resident/Day)
2010	8,770,385	9,836,000	4.89
Transformation (Annual Tons)	Per Capita Transformation (Lbs/Resident/Day)	Transformation Credit (Lbs/Resident/Day)	Per Capita Disposal with Transformation Credit (Lbs/Resident/Day)
539,129	0.30	0.28	4.61
Is the per capita disposal less than the per capita disposal equivalent?			Yes

Note: Per Capita Generation =
$$\frac{(\text{Generation}) \times (2000 \text{ lb/ton}) \times (365 \text{ days})}{(\text{Population})}$$

Per Capita Disposal Equivalent = (Four-Year Avg of Generation)*(1-Diversion Requirement Level)

APPENDIX E-3
COMPARISON OF DAILY DISPOSAL DEMAND AND SB 1016 DISPOSAL LIMIT
Status Quo

Daily Disposal Demand					SB 1016 Disposal Limit				
Year	Total Annual Waste Generation ¹	Daily Waste Generation Rate	Diversion Rate ² Status Quo	Total Daily Disposal Demand Status Quo	Los Angeles County Population ³	SB 1016 Per Capita Disposal Equivalent ^{4,5}	SB 1016 Annual Disposal Limit ⁶	SB 1016 Daily Disposal Limit ⁶	Diversion Rate Equivalent Status Quo
	A	B = A/312	C	D = B(1-C)	E	F	(yearly) G = (E*F*365days)/(2000lb/ton)	(daily) H = G/312 days	I = (1 - H/B)*100
	(tons)	(tpd-6)		(tpd-6)	(Residents)	(lb/res/day)	(tons)	(tpd-6)	
2010	19,489,744	62,467	55%	28,110	9,836,000	6.49	11,650,004	37,340	40%
2011	19,597,652	62,813	55%	28,266	9,889,000	6.49	11,712,779	37,541	40%
2012	20,163,061	64,625	55%	29,081	9,951,000	6.49	11,786,213	37,776	42%
2013	20,758,574	66,534	55%	29,940	10,029,000	6.49	11,878,598	38,072	43%
2014	21,465,309	68,799	55%	30,960	10,109,000	6.49	11,973,352	38,376	44%
2015	22,208,722	71,182	55%	32,032	10,187,000	6.49	12,065,737	38,672	46%
2016	22,938,233	73,520	55%	33,084	10,259,000	6.49	12,151,016	38,946	47%
2017	23,455,058	75,176	55%	33,829	10,329,000	6.49	12,233,926	39,211	48%
2018	24,031,635	77,024	55%	34,661	10,398,000	6.49	12,315,651	39,473	49%
2019	24,621,187	78,914	55%	35,511	10,467,000	6.49	12,397,376	39,735	50%
2020	25,155,998	80,628	55%	36,283	10,536,000	6.49	12,479,102	39,997	50%
2021	25,635,173	82,164	55%	36,974	10,605,000	6.49	12,560,827	40,259	51%
2022	26,127,086	83,741	55%	37,683	10,675,000	6.49	12,643,737	40,525	52%
2023	26,617,529	85,313	55%	38,391	10,747,000	6.49	12,729,015	40,798	52%
2024	27,141,048	86,991	55%	39,146	10,819,000	6.49	12,814,294	41,071	53%
2025	27,589,195	88,427	55%	39,792	10,891,000	6.49	12,899,573	41,345	53%

Footnotes:

1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and taxable sales projections from UCLA longterm forecast, August 2011.

2. Diversion Rate remains at 55% through 2025.

3. Los Angeles Countywide Population Projection (UCLA, Long Term Forecast of Los Angeles County, August 2011)

4. SB 1016 Per Capita Disposal Equivalent is a numerical indicator of jurisdictional disposal divided by jurisdiction population (residents) to obtain disposal by individual.

5. SB 1016 Per Capita Disposal Equivalent is the Per Capita Disposal Rate average between 2003-2006.

6. SB 1016 Disposal Limit reflects the yearly and daily Per Capita Disposal Rate.

Appendix E-4 Scenario Tables

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APPENDIX E-4
SCENARIO I - STATUS QUO

• Existing In-County Class III Landfills and Transformation Facilities

• Current Available Out-of-County Disposal Capacity

								1	2	3	4	5	6	7	8	9	10	11	Total		
								IN-COUNTY CLASS III LANDFILLS													
								R	R	L	R	R	R	R	R						
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Class III Landfill Daily Disposal Demand	Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebble Beach	Puente Hills	San Clemente	Scholl	Sunshine County	Whittier	Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)	
								Maximum Permitted Daily Capacity (tpd-6)													
								Expected Average Daily Tonnage (tpd-6)													
								Remaining Capacity at Year's End (Million Tons)													
	A	B	C=A(1-B)	D	E	F	G=C+D-E-F												H	I=G-H	
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)												(tpd-6)	(tpd-6)	
2010	62,467	55%	28,110	675	6,147	1,728	20,910	1,800	240	3,500	5,000	1,700	49	13,200	10	3,400	11,000	350	34,620	—	
								462	121	762	3,461	723	10	5,825	1	786	7,845	240			
								6.5	2.8	6.0	6.2	0.9	0.1	12.5	0.04	4.1	80.8	3.8			
2011	62,813	55%	28,266	700	6,200	2,069	20,697	1,800	240	3,500	5,000	1,700	49	13,200	10	3,400	11,000	350	34,600	(13,903)	
								457	120	754	3,426	716	10	5,766	0.85	778	8,000	238			
								6.4	2.8	5.8	5.2	0.7	0.05	8.2	0.04	3.9	78.3	3.7			
2012	64,625	55%	29,081	700	6,200	2,069	21,513	1,800	240	3,500	5,000	1,700	49	13,200	10	3,400	11,000	350	34,675	(13,162)	
								475	124	784	3,561	744	10	5,993	0.88	809	8,000	247			
								6.2	2.8	5.6	4.1	C	0.05	4.1	0.04	3.6	75.8	3.6			
2013	66,534	55%	29,940	700	6,200	2,069	22,372	1,800	240	3,500	5,000		49	13,200	10	3,400	11,000	350	33,054	(10,682)	
								494	129	815	3,703		10	8,000	0.92	841	8,000	257			
								6.1	2.7	5.3	2.9		0.05	C	0.04	3.3	73.3	3.6			
2014	68,799	55%	30,960	700	6,200	2,069	23,391	1,800	240	3,500	5,000		49		10	3,400	11,000	350	19,948	3,443	
								517	135	852	3,872		11		0.96	879	8,000	269			
								5.9	2.7	5.0	1.7		0.04		0.04	3.1	70.8	3.5			
2015	71,182	55%	32,032	700	6,200	2,069	24,463	1,800	240	3,500	5,000		49		10	3,400	11,000	350	20,046	4,417	
								540	141	892	4,050		11		1.00	920	8,500	281			
								5.8	2.6	4.8	0.4		0.04		0.04	2.8	68.2	3.4			
2016	73,520	55%	33,084	700	6,200	2,069	25,515	1,800	240	3,500	5,000		49		10	3,400	11,000	350	20,143	5,373	
								564	147	930	4,224		12		1.04	959	8,500	293			
								5.6	2.6	4.5	C		0.04		0.04	2.5	65.5	3.3			
2017	75,176	55%	33,829	700	6,200	2,069	26,261	1,800	240	3,500			49		10	3,400	11,000	350	15,211	11,050	
								580	152	957			12		1.07	987	8,500	302			
								5.4	2.6	4.2			0.03		0.04	2.2	62.9	3.2			
2018	77,024	55%	34,661	700	6,200	2,069	27,092	1,800	240	3,500			49		10	3,400	11,000	350	15,287	11,805	
								599	156	987			13		1.11	1,018	8,500	311			
								5.2	2.5	3.9			0.03		0.04	1.9	60.2	3.1			
2019	78,914	55%	35,511	700	6,200	2,069	27,943	1,800	240	3,500			49		10	3,400	11,000	350	15,365	12,577	
								617	161	1,018			13		1.14	1,050	8,500	321			
								5.0	2.5	3.5			0.03		0.04	1.5	57.6	3.0			
2020	80,628	55%	36,283	700	6,200	2,069	28,714	1,800	240	3,500			49		10	3,400	11,000	350	15,456	13,258	
								634	166	1,046			13		1.18	1,079	8,500	350			
								4.8	2.4	3.2			0.02		0.04	1.2	54.9	2.9			
2021	82,164	55%	36,974	700	6,200	2,069	29,405	1,800	240	3,500			49		10	3,400	11,000	350	15,512	13,893	
								650	170	1,072			14		1.20	1,105	8,500	350			
								4.6	2.3	2.9			0.02		0.04	0.9	52.3	2.8			
2022	83,741	55%	37,683	700	6,200	2,069	30,115	1,800	240	3,500			49		10	3,400	11,000	350	15,569	14,546	
								665	174	1,098			14		1.23	1,132	8,500	350			
								4.4	2.3	2.5			0.01		0.03	0.5	49.6	2.7			
2023	85,313	55%	38,391	700	6,200	2,069	30,822	1,800	240	3,500			49		10	3,401	11,000	350	15,626	15,196	
								681	178	1,123			14		1.26	1,159	8,500	350			
								4.2	2.2	2.2			0.01		0.03	0.1	47.0	2.6			
2024	86,991	55%	39,146	700	6,200	2,069	31,577	1,800	240	3,500			49		10	3,402	11,000	350	15,686	15,891	
								698	182	1,151			15		1.29	1,187	8,500	350			
								4.0	2.2	1.8			0.00		0.03	C	44.3	2.5			
2025	88,427	55%	39,792	700	6,200	2,069	32,224	1,800	240	3,500			49		10		11,000	350	14,526	17,697	
								712	186	1,174			15		1.32		8,500	350			
								3.8	2.1	1.5			C		0.03		41.6	2.3			

ASSUMPTIONS:

1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. **Daily Available Capacity**, in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.

LEGEND:

- C -Closure due to exhausted capacity or permit expiration
- E -Expansion may become effective
- L -Does not accept waste from the City of Los Angeles and Orange County
- R -Restricted Watershed

Source: Los Angeles County Department of Public Works, October 2011

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LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4

SCENARIO II - INCREASE IN DIVERSION RATE (Up to 65% by 2025)

Existing In-County Class III Landfills and Transformation Facilities

Current Available Out-of-County Disposal Capacity

Increase In Diversion (up to 65% by 2025)

								1	2	3	4	5	6	7	8	9	10	11	Total	
								IN-COUNTY CLASS III LANDFILLS												
								R	R			L	R	R		R				
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Class III Landfill Daily Disposal Demand	Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbly Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County Combined	Whittier	Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)
								Maximum Permitted Daily Capacity (tpd-6)												
								Expected Average Daily Tonnage (tpd-6)												
								Remaining Capacity at Year's End (Million Tons)												
	A	B	C=A(1-B)	D	E	F	G=C+D-E-F											H	I=G-H	
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)											(tpd-6)	(tpd-6)	
2010	62,467	55%	28,110	675	6,147	1,728	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 0.9	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—
2011	62,813	55%	28,266	700	6,200	2,069	20,697	1,800 457 6.4	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 0.7	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)
2012	64,625	55%	29,081	700	6,200	2,069	21,513	1,800 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 C	49 10 0.05	13,200 5,993 4.1	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	34,675	(13,162)
2013	66,534	55%	29,940	700	6,200	2,069	22,372	1,800 494 14.8	240 129 2.7	3,500 815 5.3	5,000 3,703 2.9	49 10 0.05	13,200 6,232 C	10 0.92 0.04	3,400 841 3.3	11,000 9,000 72.8	350 257 3.6	33,054	(10,682)	
2014	68,799	55%	30,960	700	6,200	2,069	23,391	1,800 517 14.6	240 135 2.7	3,500 852 5.0	5,000 3,872 1.7	49 11 0.04	13,200 6,232 C	10 0.96 0.04	3,400 879 3.1	11,000 9,500 69.9	350 269 3.5	19,948	3,443	
2015	71,182	55%	32,032	700	6,200	2,069	24,463	1,800 540 14.5	240 141 2.6	3,500 892 4.8	5,000 4,050 0.4	49 11 0.04	13,200 6,232 C	10 1.00 0.04	3,400 920 2.8	11,000 10,000 66.8	350 281 3.4	20,046	4,417	
2016	73,520	56%	32,349	700	6,200	2,069	24,780	1,800 547 14.3	240 143 2.6	3,500 903 4.5	5,000 4,102 C	49 12 0.04	13,200 6,232 C	10 1.01 0.04	3,400 932 2.5	11,000 10,500 63.5	350 350 3.3	20,140	4,640	
2017	75,176	57%	32,326	700	6,200	2,069	24,757	1,800 547 14.1	240 143 2.6	3,500 902 4.2	5,000 4,102 C	49 11 0.03	13,200 6,232 C	10 1.01 0.04	3,400 931 2.2	11,000 11,000 60.1	350 350 3.2	15,138	9,619	
2018	77,024	58%	32,350	700	6,200	2,069	24,782	1,800 548 13.9	240 143 2.5	3,500 903 3.9	5,000 4,050 0.4	49 12 0.03	13,200 6,232 C	10 1.01 0.04	3,400 932 1.9	11,000 11,000 56.6	350 350 3.1	15,140	9,641	
2019	78,914	59%	32,355	700	6,200	2,069	24,786	1,800 548 13.8	240 143 2.5	3,500 903 3.6	5,000 4,050 0.4	49 12 0.03	13,200 6,232 C	10 1.01 0.04	3,400 932 1.6	11,000 11,000 53.2	350 350 2.9	15,141	9,645	
2020	80,628	60%	32,251	700	6,200	2,069	24,683	1,800 545 13.6	240 143 2.4	3,500 900 3.3	5,000 4,102 C	49 11 0.02	13,200 6,232 C	10 1.01 0.04	3,400 928 1.3	11,000 11,000 49.8	350 350 2.8	15,132	9,550	
2021	82,164	61%	32,044	700	6,200	2,069	24,475	1,800 541 13.4	240 141 2.4	3,500 892 3.1	5,000 4,102 C	49 11 0.02	13,200 6,232 C	10 1.00 0.04	3,400 920 1.0	11,000 11,000 46.3	350 350 2.7	15,116	9,360	
2022	83,741	62%	31,821	700	6,200	2,069	24,253	1,800 536 13.3	240 140 2.3	3,500 884 2.8	5,000 4,102 C	49 11 0.02	13,200 6,232 C	10 0.99 0.04	3,400 912 0.8	11,000 11,000 42.9	350 350 2.6	15,098	9,155	
2023	85,313	63%	31,566	700	6,200	2,069	23,997	1,800 530 13.1	240 139 2.3	3,500 875 2.5	5,000 4,102 C	49 11 0.01	13,200 6,232 C	10 0.98 0.03	3,400 902 0.5	11,000 11,000 39.5	350 350 2.5	15,077	8,920	
2024	86,991	64%	31,317	700	6,200	2,069	23,748	1,800 525 12.9	240 137 2.2	3,500 866 2.2	5,000 4,102 C	49 11 0.01	13,200 6,232 C	10 0.97 0.03	3,400 893 0.2	11,000 11,000 36.0	350 350 2.4	15,057	8,691	
2025	88,427	65%	30,949	700	6,200	2,069	23,381	1,800 517 12.8	240 240 2.2	3,500 852 2.0	5,000 4,102 C	49 11 0.0	13,200 6,232 C	10 0.96 0.03	3,400 879 C	11,000 11,000 32.6	350 350 2.3	15,133	8,248	

ASSUMPTIONS:

1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.

2. [Daily Available Capacity](#), in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:

C -Closure due to exhausted capacity/permit expiration

E -Expansion may become effective

L -Does not accept waste from the City of Los Angeles and Orange County

R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

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APPENDIX E-4
SCENARIO III - UTILIZATION OF ALTERNATIVE TECHNOLOGY CAPACITY (UP TO 3,800 TPD BY 2025)

Existing In-County Class III Landfills and Transformation Facilities									Current Available Out-of-County Disposal Capacity									Increase In Diversion Rate (up to 65% by 2025)								
Utilization of Alternative Technology Capacity (Up to 3,800 tpd by 2025)									1	2	3	4	5	6	7	8	9	10	11	Total						
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	IN-COUNTY CLASS III LANDFILLS													Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)			
									R	R	L	R	R	R	R	R	R	R	R	R						
									Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbley Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County Combined	Whittier							
									Maximum Permitted Daily Capacity (tpd-6)																	
									Expected Average Daily Tonnage (tpd-6)																	
A	B	C=A(1-B)	D	E	F	G	H =C+D-E-F	Remaining Capacity at Year's End (Million Tons)													I	J=H-I				
(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)														(tpd-6)	(tpd-6)				
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 0.9	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—					
2011	62,813	55%	28,266	700	6,200	2,069	0	20,697	1,800 457 6.4	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 0.7	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)					
2012	64,625	55%	29,081	700	6,200	2,069	0	21,513	1,800 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 C	49 10 0.05	13,200 5,993 4.1	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	34,675	(13,162)					
2013	66,534	55%	29,940	700	6,200	2,069	0	22,372	1,800 494 14.8	240 129 2.7	3,500 815 5.3	5,000 3,703 2.9		49 10 0.05	13,200 6,232 C	10 0.92 0.04	3,400 841 3.3	11,000 9,000 72.8	350 257 3.6	33,054	(10,682)					
2014	68,799	55%	30,960	700	6,200	2,069	1,200	22,191	1,800 490 14.6	240 128 2.7	3,500 809 5.0	5,000 3,674 1.8		49 10 0.05		10 0.91 0.04	3,400 834 3.1	11,000 9,500 69.9	350 255 3.5	19,837	2,354					
2015	71,182	55%	32,032	700	6,200	2,069	1,200	23,263	1,800 514 14.5	240 134 2.6	3,500 848 4.8	5,000 3,851 0.6		49 11 0.04		10 0.95 0.04	3,400 875 2.8	11,000 10,000 66.8	350 267 3.4	19,936	3,327					
2016	73,520	56%	32,349	700	6,200	2,069	1,200	23,580	1,800 521 14.3	240 136 2.6	3,500 859 4.5	5,000 3,904 C		49 11 0.04		10 0.97 0.04	3,400 886 2.5	11,000 10,500 63.5	350 271 3.3	19,965	3,615					
2017	75,176	57%	32,326	700	6,200	2,069	1,200	23,557	1,800 520 14.1	240 136 2.6	3,500 859 4.2			49 11 0.03		10 0.96 0.04	3,400 886 2.3	11,000 11,000 60.1	350 271 3.2	14,963	8,594					
2018	77,024	58%	32,350	700	6,200	2,069	2,200	22,582	1,800 499 14.0	240 130 2.5	3,500 823 4.0			49 10 0.03		10 0.92 0.04	3,400 849 2.0	11,000 11,000 56.6	350 259 3.1	14,873	7,708					
2019	78,914	59%	32,355	700	6,200	2,069	2,200	22,586	1,800 499 13.8	240 130 2.5	3,500 823 3.7			49 10 0.03		10 0.92 0.04	3,400 849 1.7	11,000 11,000 53.2	350 260 3.1	14,874	7,713					
2020	80,628	60%	32,251	700	6,200	2,069	2,200	22,483	1,800 497 13.7	240 130 2.4	3,500 819 3.5			49 10 0.03		10 0.92 0.04	3,400 845 1.5	11,000 11,000 49.8	350 258 3.0	14,864	7,619					
2021	82,164	61%	32,044	700	6,200	2,069	2,200	22,275	1,800 492 13.5	240 129 2.4	3,500 812 3.2			49 10 0.02		10 0.91 0.04	3,400 837 1.2	11,000 11,000 46.3	350 256 2.9	14,845	7,430					
2022	83,741	62%	31,821	700	6,200	2,069	3,200	21,053	1,800 465 13.4	240 122 2.4	3,500 767 3.0			49 10 0.02		10 0.86 0.04	3,400 791 1.0	11,000 11,000 42.9	350 242 2.8	14,733	6,320					
2023	85,313	63%	31,566	700	6,200	2,069	3,200	20,797	1,800 459 13.2	240 120 2.3	3,500 758 2.7			49 10 0.02		10 0.85 0.04	3,400 782 0.7	11,000 11,000 39.5	350 350 2.7	14,820	5,977					
2024	86,991	64%	31,317	700	6,200	2,069	3,800	19,948	1,800 441 13.1	240 115 2.3	3,500 727 2.5			49 9 0.01		10 0.82 0.03	3,400 750 0.5	11,000 11,000 36.0	350 350 2.6	14,752	5,196					
2025	88,427	65%	30,949	700	6,200	2,069	3,800	19,581	1,800 433 13.0	240 113 2.3	3,500 714 2.3			49 9 0.01		10 0.80 0.03	3,400 736 0.3	11,000 11,000 32.6	350 350 2.5	14,723	4,858					

ASSUMPTIONS:
1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. [Daily Available Capacity](#), in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:
C -Closure due to exhausted capacity/permit expiration
E -Expansion may become effective
L -Does not accept waste from the City of Los Angeles and Orange County
R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

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APPENDIX E-4
SCENARIO IV - IN-COUNTY CLASS III LANDFILLS EXPANSIONS

Existing In-County Class III Landfills & Transformation Facilities									Current Available Out-of-County Disposal Capacity									Increase In Diversion Rate (up to 65% by 2025)								
Utilization of Alternative Technology Capacity (up to 3,800 tpd by 2025)									Proposed Expansions of In-County Class III Landfills																	
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	1	2	3	4	5	6	7	8	9	10	11	Total	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)					
									IN-COUNTY CLASS III LANDFILLS																	
									R	R	L	R	R		R											
									Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbley Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County Combined	Whittier	Daily Available Capacity ² from Class III Landfills						
									Maximum Permitted Daily Capacity (tpd-6) Expected Average Daily Tonnage (tpd-6) Remaining Capacity at Year's End (Million Tons)													I (tpd-6)	J=H-I (tpd-6)			
A (tpd-6)	B	C=A(1-B) (tpd-6)	D (tpd-6)	E (tpd-6)	F (tpd-6)	G (tpd-6)	H =C+D-E-F-G (tpd-6)																			
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—					
2011	62,813	55%	28,266	700	6,200	2,069	0	20,697	1,800 457 15.1	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 12.9	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)					
2012	64,625	55%	29,081	700	6,200	2,069	0	21,513	3,600 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 12.6	49 10 0.05	13,200 5,993 4.1	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	36,475	(14,962)					
2013	66,534	55%	29,940	700	6,200	2,069	0	22,372	3,600 494 14.8	240 129 2.7	3,500 815 5.3	5,000 3,703 2.9	3,000 774 12.4	49 10 0.05	13,200 6,232 C	10 0.92 0.04	3,400 841 3.3	11,000 9,000 72.8	350 257 3.6	37,854	(15,482)					
2014	68,799	55%	30,960	700	6,200	2,069	1,200	22,191	3,600 600 14.6	240 128 2.7	3,500 809 5.0	5,000 3,674 1.8	3,000 900 12.1	49 10 0.05		10 0.91 0.04	3,400 834 3.1	11,000 9,500 69.9	350 255 3.5	24,637	(2,446)					
2015	71,182	55%	32,032	700	6,200	2,069	1,200	23,263	3,600 800 14.3	240 134 2.6	3,500 848 4.8	5,000 3,851 32.6	3,000 1,100 E	49 11 0.04		10 0.95 0.04	3,400 875 2.8	11,000 10,000 66.8	350 267 3.4	24,736	(1,473)					
2016	73,520	56%	32,349	700	6,200	2,069	1,200	23,580	3,600 1,000 14.0	240 136 2.6	3,500 859 4.5	5,000 5,000 31.0	3,000 1,300 11.4	49 11 0.04		10 0.97 0.04	3,400 886 2.5	11,000 10,500 63.5	350 271 3.3	24,765	(1,185)					
2017	75,176	57%	32,326	700	6,200	2,069	1,200	23,557	3,600 1,200 13.7	240 136 2.6	3,500 859 4.2	5,000 5,000 29.4	3,000 1,500 10.9	49 11 0.03		10 0.96 0.04	3,400 886 2.3	11,000 11,000 60.1	350 271 3.2	24,763	(1,206)					
2018	77,024	58%	32,350	700	6,200	2,069	2,200	22,582	3,600 1,400 13.2	240 130 2.5	3,500 823 4.0	5,000 5,000 27.9	3,000 1,700 10.4	49 10 0.03		10 0.92 0.04	3,400 849 2.0	11,000 11,000 56.6	350 259 3.1	24,673	(2,092)					
2019	78,914	59%	32,355	700	6,200	2,069	2,200	22,586	3,600 1,600 12.7	240 130 2.5	3,500 823 3.7	5,000 5,000 26.3	3,000 1,900 9.8	49 10 0.03		10 0.92 0.04	3,400 849 1.7	11,000 11,000 53.2	350 260 3.1	24,674	(2,087)					
2020	80,628	60%	32,251	700	6,200	2,069	2,200	22,483	3,600 1,800 12.2	240 130 2.4	3,500 819 3.5	5,000 5,000 24.8	3,000 2,100 9.1	49 10 0.03		10 0.92 0.04	3,400 845 1.5	11,000 11,000 49.8	350 258 3.0	24,664	(2,181)					
2021	82,164	61%	32,044	700	6,200	2,069	2,200	22,275	3,600 2,000 11.5	240 129 2.4	3,500 812 3.2	5,000 5,000 23.2	3,000 2,300 8.4	49 10 0.02		10 0.91 0.04	3,400 837 1.2	11,000 11,000 46.3	350 256 2.9	24,645	(2,370)					
2022	83,741	62%	31,821	700	6,200	2,069	3,200	21,053	3,600 2,200 10.9	240 122 2.4	3,500 767 3.0	5,000 5,000 21.6	3,000 2,500 7.6	49 10 0.02		10 0.86 0.04	3,400 791 1.0	11,000 11,000 42.9	350 242 2.8	24,533	(3,480)					
2023	85,313	63%	31,566	700	6,200	2,069	3,200	20,797	3,600 2,400 10.1	240 120 2.3	3,500 758 2.7	5,000 5,000 20.1	3,000 2,700 6.8	49 10 0.02		10 0.85 0.04	3,400 782 0.7	11,000 11,000 39.5	350 239 2.8	24,509	(3,712)					
2024	86,991	64%	31,317	700	6,200	2,069	3,800	19,948	3,600 2,600 9.3	240 115 2.3	3,500 727 2.5	5,000 5,000 18.5	3,000 2,900 5.9	49 9 0.01		10 0.82 0.03	3,400 750 0.48	11,000 11,000 36.0	350 229 2.7	24,431	(4,483)					
2025	88,427	65%	30,949	700	6,200	2,069	3,800	19,581	3,600 2,800 8.4	240 113 2.3	3,500 714 2.3	5,000 5,000 17.0	3,000 3,000 4.9	49 9 0.01		10 0.80 0.03	3,400 736 0.25	11,000 11,000 32.6	350 225 2.6	24,398	(4,817)					

ASSUMPTIONS:
1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. *Daily Available Capacity*, in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:
C -Closure due to exhausted capacity/permit expiration
E -Expansion may become effective
L -Does not accept waste from the City of Los Angeles and Orange County
R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

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APPENDIX E-4
SCENARIO V - INCREASE IN AVAILABLE OUT-OF-COUNTY DISPOSAL CAPACITY

• Existing In-County Class III Landfills & Transformation Facilities									• Proposed Expansions of In-County Class III Landfills									• Increase In Diversion Rate (up to 65% by 2025)								
• Increase In Available Out-of-County Disposal Capacity									1	2	3	4	5	6	7	8	9	10	11	Total						
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	IN-COUNTY CLASS III LANDFILLS												Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)				
									Antelope Valley	R Burbank	R Calabasas	Chiquita	Lancaster	Pebbly Beach	L Puente Hills	R San Clemente	R Scholl	Sunshine City/County Combined	R Whittier							
									Maximum Permitted Daily Capacity (tpd-6)																	
									Expected Average Daily Tonnage (tpd-6)																	
	A	B	C=A(1-B)	D	E	F	G	H=C+D-E-F-G	Remaining Capacity at Year's End (Million Tons)												I	J=H-I				
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)													(tpd-6)	(tpd-6)				
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 10 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—					
2011	62,813	55%	28,266	700	6,200	2,069	0	20,697	1,800 457 15.1	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 12.9	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)					
2012	64,625	55%	29,081	700	6,200	2,069	0	21,513	3,600 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 12.6	49 10 0.05	13,200 5,993 4.1	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	36,475	(14,962)					
2013	66,534	55%	29,940	700	7,500	2,069	0	21,072	3,600 466 14.8	240 122 2.7	3,500 768 5.3	5,000 3,488 3.0	3,000 729 12.3	49 10 0.05	13,200 5,870 C	10 0.86 0.04	3,400 792 3.4	11,000 8,500 73.0	350 242 3.6	37,735	(16,663)					
2014	68,799	55%	30,960	700	7,500	2,069	1,200	20,891	3,600 600 14.6	240 121 2.7	3,500 761 5.1	5,000 3,458 1.9	3,000 900 12.1	49 10 0.05	13,200 5,870 C	10 0.86 0.04	3,400 785 3.1	11,000 8,500 70.4	350 240 3.5	24,518	(3,627)					
2015	71,182	55%	32,032	700	10,000	2,069	1,200	19,463	3,600 800 14.4	240 112 2.7	3,500 709 4.9	5,000 3,500 32.8	3,000 1,100 E	49 9 0.04	13,200 5,870 C	10 0.80 0.04	3,400 732 2.9	11,000 8,500 67.7	350 224 3.4	24,387	(4,924)					
2016	73,520	56%	32,349	700	10,000	2,069	1,200	19,780	3,600 1,000 14.0	240 114 2.6	3,500 721 4.6	5,000 5,000 31.2	3,000 1,300 11.3	49 9 0.04	13,200 5,870 C	10 0.81 0.04	3,400 744 2.7	11,000 8,500 65.0	350 227 3.3	24,416	(4,636)					
2017	75,176	57%	32,326	700	10,000	2,069	1,200	19,757	3,600 1,200 13.7	240 114 2.6	3,500 720 4.4	5,000 5,000 29.7	3,000 1,500 10.8	49 9 0.04	13,200 5,870 C	10 0.81 0.04	3,400 743 2.4	11,000 8,500 62.4	350 227 3.3	24,414	(4,657)					
2018	77,024	58%	32,350	700	10,000	2,069	2,200	18,782	3,600 1,400 13.2	240 108 2.6	3,500 685 4.2	5,000 5,000 28.1	3,000 1,700 10.3	49 9 0.03	13,200 5,870 C	10 0.77 0.04	3,400 706 2.2	11,000 8,500 59.7	350 216 3.2	24,324	(5,543)					
2019	78,914	59%	32,355	700	10,000	2,069	2,200	18,786	3,600 1,600 12.7	240 108 2.5	3,500 685 4.0	5,000 5,000 26.6	3,000 1,900 9.7	49 9 0.03	13,200 5,870 C	10 0.77 0.04	3,400 706 2.0	11,000 8,500 57.1	350 216 3.1	24,325	(5,539)					
2020	80,628	60%	32,251	700	12,000	2,069	2,200	16,683	3,600 1,800 12.2	240 96 2.5	3,500 608 3.8	5,000 5,000 25.0	3,000 2,100 9.1	49 8 0.03	13,200 5,870 C	10 0.68 0.04	3,400 627 1.8	11,000 8,500 54.4	350 192 3.1	24,132	(7,449)					
2021	82,164	61%	32,044	700	12,000	2,069	2,200	16,475	3,600 2,000 11.5	240 95 2.5	3,500 600 3.6	5,000 5,000 23.4	3,000 2,300 8.3	49 8 0.03	13,200 5,870 C	10 0.67 0.04	3,400 619 1.6	11,000 8,500 51.8	350 189 3.0	24,113	(7,637)					
2022	83,741	62%	31,821	700	12,000	2,069	3,200	15,253	3,600 2,200 10.9	240 88 2.4	3,500 556 3.4	5,000 5,000 21.9	3,000 2,500 7.6	49 7 0.02	13,200 5,870 C	10 0.62 0.04	3,400 573 1.4	11,000 8,500 49.1	350 175 3.0	24,000	(8,748)					
2023	85,313	63%	31,566	700	12,000	2,069	3,200	14,997	3,600 2,400 10.1	240 87 2.4	3,500 547 3.3	5,000 5,000 20.3	3,000 2,700 6.7	49 7 0.02	13,200 5,870 C	10 0.61 0.04	3,400 564 1.2	11,000 8,500 46.5	350 172 2.9	23,977	(8,980)					
2024	86,991	64%	31,317	700	12,000	2,069	3,800	14,148	3,600 2,600 9.3	240 82 2.4	3,500 516 3.1	5,000 5,000 18.8	3,000 2,900 5.8	49 7 0.02	13,200 5,870 C	10 0.58 0.04	3,400 532 1.1	11,000 8,500 43.8	350 163 2.9	23,899	(9,751)					
2025	88,427	65%	30,949	700	12,000	2,069	3,800	13,781	3,600 2,800 8.4	240 80 2.4	3,500 502 2.9	5,000 5,000 17.2	3,000 3,000 4.9	49 6 0.02	13,200 5,870 C	10 0.56 0.04	3,400 518 0.9	11,000 8,500 41.2	350 158 2.8	23,865	(10,084)					

ASSUMPTIONS:
1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. [Daily Available Capacity](#), in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:
C -Closure due to exhausted capacity/permit expiration
E -Expansion may become effective
L -Does not accept waste from the City of Los Angeles and Orange County
R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

2010 ANNUAL REPORT
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4
SCENARIO VI - MAXIMIZING DIVERSION RATE (UP TO 75% BY 2025, COMPLIES WITH AB 341 GOAL)

<div>• Existing In-County Class III Landfills & Transformation Facilities</div> <div>• Increase In Available Out-of-County Disposal Capacity</div>									<div>• Proposed Expansions of In-County Class III Landfills</div> <div>• Utilization of Alternative Technology Capacity (up to 3,800 tpd BY 2025)</div>									<div>• Maximizing Diversion Rate up to 75% by 2025</div>								
									1	2	3	4	5	6	7	8	9	10	11	Total						
									IN-COUNTY CLASS III LANDFILLS																	
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	R	R				L	R	R	R				Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)				
									Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbley Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County Combined	Whittier							
									Maximum Permitted Daily Capacity (tpd-6)																	
									Expected Average Daily Tonnage (tpd-6)																	
	A	B	C=A(1-B)	D	E	F	G	H=C+D-E-F-G	Remaining Capacity at Year's End (Million Tons)											I	J=H-I					
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)													(tpd-6)	(tpd-6)				
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—					
2011	62,813	57%	27,010	700	6,200	2,069	0	19,441	1,800 430 15.1	240 112 2.8	3,500 709 5.8	5,000 3,218 5.2	1,700 672 12.9	49 9 0.05	13,200 5,416 8.2	10 0.80 0.04	3,400 731 3.9	11,000 8,000 78.3	350 223 3.7	34,485	(15,044)					
2012	64,625	59%	26,496	700	6,200	2,069	0	18,928	3,600 418 15.0	240 109 2.8	3,500 690 5.6	5,000 3,133 4.3	1,700 655 12.7	49 9 0.05	13,200 5,273 4.1	10 0.77 0.04	3,400 712 3.7	11,000 8,500 75.7	350 217 3.7	36,238	(17,310)					
2013	66,534	61%	25,948	700	7,500	2,069	0	17,080	3,600 377 14.8	240 99 2.7	3,500 622 5.4	5,000 2,827 3.4	3,000 591 12.3	49 8 0.05	13,200 4,758 C	10 0.70 0.04	3,400 642 3.5	11,000 8,500 73.0	350 196 3.6	37,368	(20,288)					
2014	68,799	63%	25,456	700	7,500	2,069	1,200	15,387	3,600 600 14.7	240 89 2.7	3,500 561 5.2	5,000 2,547 2.6	3,000 900 12.1	49 7 0.05		10 0.63 0.04	3,400 578 3.3	11,000 8,500 70.4	350 177 3.5	24,013	(8,626)					
2015	71,182	65%	24,914	700	10,000	2,069	1,200	12,345	3,600 800 14.4	240 71 2.7	3,500 450 5.1	5,000 3,000 33.6	3,000 1,100 11.7	49 6 0.05		10 0.51 0.04	3,400 464 3.1	11,000 8,500 67.7	350 142 3.5	23,733	(11,388)					
2016	73,520	67%	24,262	700	10,000	2,069	1,200	11,693	3,600 1,000 14.1	240 68 2.7	3,500 426 5.0	5,000 5,000 32.1	3,000 1,300 11.3	49 5 0.04		10 0.48 0.04	3,400 440 3.0	11,000 8,500 65.0	350 134 3.4	23,674	(11,981)					
2017	75,176	69%	23,305	700	10,000	2,069	1,200	10,736	3,600 1,200 13.7	240 62 2.7	3,500 391 4.8	5,000 5,000 30.5	3,000 1,500 10.8	49 5 0.04		10 0.44 0.04	3,400 404 2.9	11,000 8,500 62.4	350 123 3.4	23,586	(12,850)					
2018	77,024	71%	22,337	700	10,000	2,069	2,200	8,768	3,600 1,400 13.3	240 51 2.6	3,500 320 4.7	5,000 5,000 29.0	3,000 1,700 10.3	49 4 0.04		10 0.36 0.04	3,400 330 2.8	11,000 8,500 59.7	350 101 3.4	23,405	(14,637)					
2019	78,914	73%	21,307	700	10,000	2,069	2,200	7,738	3,600 1,600 12.8	240 45 2.6	3,500 282 4.6	5,000 5,000 27.4	3,000 1,900 9.7	49 4 0.04		10 0.32 0.04	3,400 291 2.7	11,000 8,500 57.1	350 89 3.4	23,310	(15,572)					
2020	80,628	75%	20,157	700	12,000	2,069	2,200	4,588	3,600 1,800 12.2	240 26 2.6	3,500 167 4.6	5,000 5,000 25.8	3,000 2,100 9.1	49 2 0.04		10 0.19 0.04	3,400 172 2.6	11,000 8,500 54.4	350 53 3.3	23,021	(18,433)					
2021	82,164	75%	20,541	700	12,000	2,069	2,200	4,972	3,600 2,000 11.6	240 29 2.6	3,500 181 4.5	5,000 5,000 24.3	3,000 2,300 8.3	49 2 0.04		10 0.20 0.04	3,400 187 2.6	11,000 8,500 51.8	350 57 3.3	23,057	(18,084)					
2022	83,741	75%	20,935	700	12,000	2,069	3,200	4,367	3,600 2,200 10.9	240 25 2.6	3,500 159 4.5	5,000 5,000 22.7	3,000 2,500 7.6	49 2 0.04		10 0.18 0.04	3,400 164 2.5	11,000 8,500 49.1	350 50 3.3	23,001	(18,634)					
2023	85,313	75%	21,328	700	12,000	2,069	3,200	4,760	3,600 2,400 10.2	240 27 2.6	3,500 173 4.4	5,000 5,000 21.2	3,000 2,700 6.7	49 2 0.04		10 0.19 0.04	3,400 179 2.5	11,000 8,500 46.5	350 55 3.3	23,037	(18,277)					
2024	86,991	75%	21,748	700	12,000	2,069	3,800	4,579	3,600 2,600 9.4	240 26 2.6	3,500 167 4.4	5,000 5,000 19.6	3,000 2,900 5.8	49 2 0.04		10 0.19 0.04	3,400 172 2.4	11,000 8,500 43.8	350 53 3.3	23,020	(18,441)					
2025	88,427	75%	22,107	700	12,000	2,069	3,800	4,938	3,600 2,800 8.5	240 29 2.6	3,500 180 4.3	5,000 5,000 18.0	3,000 3,000 4.9	49 2 0.04		10 0.20 0.04	3,400 186 2.3	11,000 8,500 41.2	350 57 3.2	23,053	(18,115)					

ASSUMPTIONS:
1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. **Daily Available Capacity**, in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:
C -Closure due to exhausted capacity/permit expiration
E -Expansion may become effective
L -Does not accept waste from the City of Los Angeles and Orange County
R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

2010 ANNUAL REPORT
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4
SCENARIO VII - INCREASE IN ALTERNATIVE TECHNOLOGY CAPACITY (UP TO 8,800 TPD BY 2025)

- Existing In-County Class III Landfills & Transformation Facilities
 - Increase In Available Out-of-County Disposal Capacity
- Proposed Expansions of In-County Class III Landfills
 - Increase In Alternative Technology Capacity (up to 8,800 tpd BY 2025)
- Increase In Diversion Rate up to 65% by 2025

									1	2	3	4	5	6	7	8	9	10	11	Total			
									IN-COUNTY CLASS III LANDFILLS														
									R		R		L			R		R					
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbly Beach	Puente Hills	San Clemente	Scholl	Sunshine City/Country Combined	Whittier	Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)		
									Maximum Permitted Daily Capacity (tpd-6)														
									Expected Average Daily Tonnage (tpd-6)														
									Remaining Capacity at Year's End (Million Tons)														
	A	B	C=A(1-B)	D	E	F	G	H=C+D-E-F-G												I	J=H-I		
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)												(tpd-6)	(tpd-6)		
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—		
2011	62,813	55%	28,266	700	6,200	2,069	0	20,697	1,800 457 15.1	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 12.9	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)		
2012	64,625	55%	29,081	700	6,200	2,069	0	21,513	3,600 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 12.6	49 10 0.05	13,200 5,993 4.0	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	36,475	(14,962)		
2013	66,534	55%	29,940	700	7,500	2,069	0	21,072	3,600 466 14.8	240 122 2.7	3,500 768 5.3	5,000 3,488 3.0	3,000 729 12.3	49 10 0.05	13,200 5,870 C	10 0.86 0.04	3,400 792 3.4	11,000 8,500 73.0	350 242 3.6	37,735	(16,663)		
2014	68,799	55%	30,960	700	7,500	2,069	1,200	20,891	3,600 600 14.6	240 121 2.7	3,500 761 5.1	5,000 3,458 1.9	3,000 900 12.1	49 10 0.05		10 0.86 0.04	3,400 785 3.1	11,000 8,500 70.4	350 240 3.5	24,518	(3,627)		
2015	71,182	55%	32,032	700	10,000	2,069	1,500	19,163	3,600 800 14.4	240 111 2.7	3,500 698 4.9	5,000 3,000 32.9	3,000 1,100 11.7	49 9 0.04		10 0.78 0.04	3,400 720 2.9	11,000 8,500 67.7	350 220 3.4	24,359	(5,196)		
2016	73,520	56%	32,349	700	10,000	2,069	2,000	18,980	3,600 1,000 14.0	240 110 2.6	3,500 692 4.6	5,000 5,000 31.4	3,000 1,300 11.3	49 9 0.04		10 0.78 0.04	3,400 714 2.7	11,000 8,500 65.0	350 218 3.3	24,343	(5,362)		
2017	75,176	57%	32,326	700	10,000	2,069	2,500	18,457	3,600 1,200 13.7	240 107 2.6	3,500 673 4.4	5,000 5,000 29.8	3,000 1,500 10.8	49 9 0.04		10 0.76 0.04	3,400 694 2.5	11,000 8,500 62.4	350 212 3.3	24,295	(5,837)		
2018	77,024	58%	32,350	700	10,000	2,069	3,400	17,582	3,600 1,400 13.2	240 102 2.6	3,500 641 4.2	5,000 5,000 28.3	3,000 1,700 10.3	49 8 0.03		10 0.72 0.04	3,400 661 2.2	11,000 8,500 59.7	350 202 3.2	24,214	(6,632)		
2019	78,914	59%	32,355	700	10,000	2,069	4,300	16,686	3,600 1,600 12.7	240 96 2.5	3,500 608 4.0	5,000 5,000 26.7	3,000 1,900 9.7	49 8 0.03		10 0.68 0.04	3,400 627 2.1	11,000 8,500 57.1	350 192 3.2	24,132	(7,446)		
2020	80,628	60%	32,251	700	12,000	2,069	5,200	13,683	3,600 1,800 12.2	240 79 2.5	3,500 499 3.9	5,000 5,000 25.1	3,000 2,100 9.1	49 6 0.03		10 0.56 0.04	3,400 514 1.9	11,000 8,500 54.4	350 157 3.1	23,856	(10,174)		
2021	82,164	61%	32,044	700	12,000	2,069	6,100	12,575	3,600 2,000 11.5	240 73 2.5	3,500 458 3.7	5,000 5,000 23.6	3,000 2,300 8.3	49 6 0.03		10 0.51 0.04	3,400 473 1.7	11,000 8,500 51.8	350 145 3.1	23,755	(11,179)		
2022	83,741	62%	31,821	700	12,000	2,069	7,000	11,453	3,600 2,200 10.9	240 66 2.5	3,500 417 3.6	5,000 5,000 22.0	3,000 2,500 7.6	49 5 0.03		10 0.47 0.04	3,400 431 1.6	11,000 8,500 49.1	350 132 3.0	23,651	(12,199)		
2023	85,313	63%	31,566	700	12,000	2,069	7,900	10,297	3,600 2,400 10.1	240 59 2.4	3,500 375 3.5	5,000 5,000 20.5	3,000 2,700 6.7	49 5 0.03		10 0.42 0.04	3,400 387 1.5	11,000 8,500 46.5	350 118 3.0	23,545	(13,248)		
2024	86,991	64%	31,317	700	12,000	2,069	8,800	9,148	3,600 2,600 9.3	240 53 2.4	3,500 333 3.4	5,000 5,000 18.9	3,000 2,900 5.8	49 4 0.02		10 0.37 0.04	3,400 344 1.4	11,000 8,500 43.8	350 105 3.0	23,440	(14,292)		
2025	88,427	65%	30,949	700	12,000	2,069	8,800	8,781	3,600 2,800 8.4	240 51 2.4	3,500 320 3.3	5,000 5,000 17.3	3,000 3,000 4.9	49 4 0.02		10 0.36 0.04	3,400 330 1.3	11,000 8,500 41.2	350 101 2.9	23,406	(14,625)		

- ASSUMPTIONS:
- Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
 - Daily Available Capacity, in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

- LEGEND:
- C -Closure due to exhausted capacity/permit expiration
 - E -Expansion may become effective
 - L -Does not accept waste from the City of Los Angeles and Orange County
 - R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

2010 ANNUAL REPORT
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4
SCENARIO VIII - FULL UTILIZATION OF OUT-OF-COUNTY DISPOSAL CAPACITY

- Existing In-County Class III Landfills & Transformation Facilities
 - Full Utilization of Out-of-County Disposal Capacity
- Proposed Expansions of In-County Class III Landfills
 - Utilization of Alternative Technology Capacity (up to 3,800 tpd BY 2025)
- Increase In Diversion Rate up to 65% by 2025

									1	2	3	4	5	6	7	8	9	10	11	Total	
									IN-COUNTY CLASS III LANDFILLS												
									R R L R R R												
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbley Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County Combined	Whittier	Daily Available Capacity ² from Class III Landfills I	Class III Landfill Daily Disposal Capacity Shortfall (Reserve) J=H-I
	A	B	C=A(1-B)	D	E	F	G	H=C+D-E-F-G	Maximum Permitted Daily Capacity (tpd-6) Expected Average Daily Tonnage (tpd-6) Remaining Capacity at Year's End (Million Tons)												
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)												(tpd-6)	(tpd-6)
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—
2011	62,813	55%	28,266	700	6,200	2,069	0	20,697	1,800 457 15.1 E	240 120 2.8	3,500 754 5.8	5,000 3,426 5.2	1,700 716 12.9	49 10 0.05	13,200 5,766 8.2	10 0.85 0.04	3,400 778 3.9	11,000 8,000 78.3	350 238 3.7	34,600	(13,903)
2012	64,625	55%	29,081	700	6,200	2,069	0	21,513	3,600 475 14.9	240 124 2.8	3,500 784 5.6	5,000 3,561 4.1	1,700 744 12.6 E	49 10 0.05	13,200 5,993 4.0	10 0.88 0.04	3,400 809 3.6	11,000 8,500 75.7	350 247 3.6	36,475	(14,962)
2013	66,534	55%	29,940	700	7,500	2,069	0	21,072	3,600 466 14.8	240 122 2.7	3,500 768 5.3	5,000 3,488 3.0	3,000 729 12.3	49 10 0.05	13,200 5,870 C	10 0.86 0.04	3,400 792 3.4	11,000 8,500 73.0	350 242 3.6	37,735	(16,663)
2014	68,799	55%	30,960	700	10,000	2,069	1,200	18,391	3,600 600 14.6	240 106 2.7	3,500 670 5.1	5,000 3,044 2.0	3,000 900 12.1	49 9 0.05		10 0.75 0.04	3,400 691 3.1	11,000 8,500 70.4	350 211 3.5	24,288	(5,897)
2015	71,182	55%	32,032	700	11,000	2,069	1,200	18,463	3,600 800 14.4	240 107 2.7	3,500 673 4.9	5,000 3,000 33.1 E	3,000 1,100 11.7	49 9 0.04		10 0.76 0.04	3,400 694 2.9	11,000 8,500 67.7	350 212 3.4	24,295	(5,832)
2016	73,520	56%	32,349	700	12,000	2,069	1,200	17,780	3,600 1,000 14.0	240 103 2.6	3,500 648 4.7	5,000 5,000 31.5	3,000 1,300 11.3	49 8 0.04		10 0.73 0.04	3,400 668 2.7	11,000 8,500 65.0	350 204 3.4	24,232	(6,452)
2017	75,176	57%	32,326	700	13,000	2,069	1,200	16,757	3,600 1,200 13.7	240 97 2.6	3,500 611 4.5	5,000 5,000 30.0	3,000 1,500 10.8	49 8 0.04		10 0.69 0.04	3,400 630 2.5	11,000 8,500 62.4	350 193 3.3	24,138	(7,381)
2018	77,024	58%	32,350	700	14,000	2,069	2,200	14,782	3,600 1,400 13.2	240 85 2.6	3,500 539 4.3	5,000 5,000 28.4	3,000 1,700 10.3	49 8 0.04		10 0.60 0.04	3,400 556 2.4	11,000 8,500 59.7	350 170 3.3	23,958	(9,177)
2019	78,914	59%	32,355	700	15,000	2,069	2,200	13,786	3,600 1,600 12.7	240 80 2.6	3,500 502 4.2	5,000 5,000 26.8	3,000 1,900 9.7	49 7 0.03		10 0.56 0.04	3,400 518 2.2	11,000 8,500 57.1	350 158 3.2	23,867	(10,081)
2020	80,628	60%	32,251	700	16,000	2,069	2,200	12,683	3,600 1,800 12.2	240 73 2.5	3,500 462 4.0	5,000 5,000 25.3	3,000 2,100 9.1	49 7 0.03		10 0.52 0.04	3,400 477 2.0	11,000 8,500 54.4	350 146 3.2	23,765	(11,083)
2021	82,164	61%	32,044	700	17,000	2,069	2,200	11,475	3,600 2,000 11.5	240 66 2.5	3,500 418 3.9	5,000 5,000 23.7	3,000 2,300 8.3	49 6 0.03		10 0.50 0.04	3,400 431 1.9	11,000 8,500 51.8	350 132 3.1	23,654	(12,179)
2022	83,741	62%	31,821	700	19,000	2,069	3,200	8,253	3,600 2,200 10.9	240 48 2.5	3,500 301 3.8	5,000 5,000 22.2	3,000 2,500 7.6	49 4 0.03		10 0.50 0.04	3,400 300 1.8	11,000 8,500 49.1	350 125 3.1	23,378	(15,126)
2023	85,313	63%	31,566	700	19,000	2,069	3,200	7,997	3,600 2,400 10.1	240 40 2.5	3,500 200 3.7	5,000 5,000 20.6	3,000 2,700 6.7	49 4 0.03		10 0.50 0.04	3,400 300 1.7	11,000 8,500 46.5	350 125 3.0	23,270	(15,273)
2024	86,991	64%	31,317	700	19,000	2,069	3,800	7,148	3,600 2,600 9.3	240 40 2.5	3,500 200 3.7	5,000 5,000 19.0	3,000 2,900 5.8	49 4 0.03		10 0.50 0.04	3,400 300 1.6	11,000 8,500 43.8	350 125 3.0	23,269	(16,121)
2025	88,427	65%	30,949	700	19,000	2,069	3,800	6,781	3,600 2,800 8.4	240 40 2.5	3,500 200 3.6	5,000 5,000 17.5	3,000 3,000 4.9	49 2 0.02		10 0.50 0.04	3,400 300 1.5	11,000 8,500 41.2	350 125 3.0	23,268	(16,487)

ASSUMPTIONS:
1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.
2. Daily Available Capacity, in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:
C -Closure due to exhausted capacity/permit expiration
E -Expansion may become effective
L -Does not accept waste from the City of Los Angeles and Orange County
R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

2010 ANNUAL REPORT
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4

SCENARIO IX - BEST CASE (ALL SOLID WASTE MANAGEMENT OPTIONS CONSIDERED BECOME AVAILABLE)

- Existing In-County Class III Landfills & Transformation Facilities
 - Full Utilization of Out-of-County Disposal Capacity
- Proposed Expansions of In-County Class III
 - Increase In Alternative Technology Capacity (up to 3,800 tpd BY 2025)
- Maximizing Diversion Rate up to 75% by 2025

									1	2	3	4	5	6	7	8	9	10	11	Total	
									IN-COUNTY CLASS III LANDFILLS												
									R R L R R R												
Year	Waste Generation Rate ¹	Diversion Rate	Total Daily Disposal Demand	Imports from Other Counties	Exports to Out-of County Disposal Facilities	Daily Available Capacity from Transformation Facilities	Maximum Alternative Technology Capacity	Class III Landfill Daily Disposal Demand	Antelope Valley	Burbank	Calabasas	Chiquita	Lancaster	Pebbly Beach	Puente Hills	San Clemente	Scholl	Sunshine City/County	Whittier	Daily Available Capacity ² from Class III Landfills	Class III Landfill Daily Disposal Capacity Shortfall (Reserve)
									Maximum Permitted Daily Capacity (tpd-6)												
									Expected Average Daily Tonnage (tpd-6)												
									Remaining Capacity at Year's End (Million Tons)												
	A	B	C=A(1-B)	D	E	F	G	H=C+D-E-F-G												I	J=H-I
	(tpd-6)		(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)	(tpd-6)												(tpd-6)	(tpd-6)
2010	62,467	55%	28,110	675	6,147	1,728	0	20,910	1,800 462 6.5	240 121 2.8	3,500 762 6.0	5,000 3,461 6.2	1,700 723 13.1	49 9.7 0.06	13,200 5,825 12.4	10 0.86 0.04	3,400 786 4.1	11,000 7,541 80.8	350 240 3.8	34,620	—
2011	62,813	57%	27,010	700	7,500	2,069	0	18,141	1,800 401 15.1 E	240 105 2.8	3,500 661 5.8	5,000 3,003 5.3	1,700 628 12.9	49 8 0.06	13,200 5,054 8.2	10 0.74 0.04	3,400 682 3.9	11,000 8,000 78.3	350 208 3.7	34,366	(16,225)
2012	64,625	59%	26,496	700	7,500	2,069	0	17,628	3,600 389 15.0	240 102 2.8	3,500 642 5.6	5,000 2,918 4.4	1,700 610 12.7 E	49 8 0.05	13,200 4,911 4.0	10 0.72 0.04	3,400 663 3.7	11,000 8,500 75.7	350 203 3.7	36,118	(18,491)
2013	66,534	61%	25,948	700	7,500	2,069	0	17,080	3,600 377 14.9	240 99 2.8	3,500 622 5.4	5,000 2,827 3.5	3,000 591 12.3	49 8 0.05	13,200 4,758 C	10 0.70 0.04	3,400 642 3.5	11,000 8,500 73.0	350 196 3.6	37,368	(20,288)
2014	68,799	63%	25,456	700	10,000	2,069	1,200	12,887	3,600 600 14.7	240 74 2.7	3,500 470 5.3	5,000 2,133 2.8	3,000 900 12.1	49 6 0.05		10 0.53 0.04	3,400 484 3.3	11,000 8,500 70.4	350 148 3.6	23,783	(10,896)
2015	71,182	65%	24,914	700	11,000	2,069	1,200	11,345	3,600 800 14.4	240 66 2.7	3,500 413 5.2	5,000 3,000 33.9 E	3,000 1,100 11.7	49 5 0.05		10 0.46 0.04	3,400 426 3.2	11,000 8,500 67.7	350 130 3.5	23,642	(12,297)
2016	73,520	67%	24,262	700	12,000	2,069	1,200	9,693	3,600 1,000 14.1	240 56 2.7	3,500 353 5.0	5,000 5,000 32.3	3,000 1,300 11.3	49 4 0.05		10 0.40 0.04	3,400 364 3.1	11,000 8,500 65.0	350 125 3.5	23,504	(13,811)
2017	75,176	69%	23,305	700	13,000	2,069	1,200	7,736	3,600 1,200 13.7	240 45 2.7	3,500 282 5.0	5,000 5,000 30.8	3,000 1,500 10.8	49 4 0.04		10 0.50 0.04	3,400 300 3.0	11,000 8,500 62.4	350 125 3.4	23,356	(15,620)
2018	77,024	71%	22,337	700	14,000	2,069	2,200	4,768	3,600 1,400 13.3	240 28 2.7	3,500 174 4.9	5,000 5,000 29.2	3,000 1,700 10.3	49 2 0.04		10 0.50 0.04	3,400 300 2.9	11,000 8,500 59.7	350 125 3.4	23,229	(18,461)
2019	78,914	73%	21,307	700	15,000	2,069	2,200	2,738	3,600 1,600 12.8	240 28 2.7	3,500 100 4.9	5,000 5,000 27.7	3,000 1,900 9.7	49 2 0.04		10 0.50 0.04	3,400 300 2.8	11,000 8,500 57.1	350 125 3.4	23,155	(20,417)
2020	80,628	75%	20,157	700	16,000	2,069	2,200	588	3,600 1,800 12.2	240 28 2.6	3,500 200 4.8	5,000 5,000 26.1	3,000 2,100 9.1	49 2 0.04		10 0.50 0.04	3,400 300 2.7	11,000 8,500 54.4	350 125 3.3	23,255	(22,667)
2021	82,164	75%	20,541	700	16,000	2,069	2,200	972	3,600 2,000 11.6	240 30 2.6	3,500 200 4.7	5,000 5,000 24.5	3,000 2,300 8.3	49 2 0.04		10 0.50 0.04	3,400 300 2.6	11,000 8,500 51.8	350 125 3.3	23,258	(22,285)
2022	83,741	75%	20,935	700	16,000	2,069	3,200	367	3,600 2,200 10.9	240 30 2.6	3,500 200 4.7	5,000 5,000 23.0	3,000 2,500 7.6	49 2 0.04		10 0.50 0.04	3,400 300 2.5	11,000 8,500 49.1	350 125 3.2	23,258	(22,891)
2023	85,313	75%	21,328	700	16,000	2,069	3,200	760	3,600 2,400 10.2	240 30 2.6	3,500 200 4.6	5,000 5,000 21.4	3,000 2,700 6.7	49 2 0.04		10 0.50 0.04	3,400 300 2.4	11,000 8,500 46.5	350 125 3.2	23,258	(22,498)
2024	86,991	75%	21,748	700	16,000	2,069	3,800	579	3,600 2,600 9.4	240 30 2.6	3,500 200 4.6	5,000 5,000 19.9	3,000 2,900 5.8	49 2 0.04		10 0.50 0.04	3,400 300 2.3	11,000 8,500 43.8	350 125 3.2	23,258	(22,678)
2025	88,427	75%	22,107	700	16,000	2,069	3,800	938	3,600 2,800 8.5	240 30 2.6	3,500 200 4.5	5,000 5,000 18.3	3,000 3,000 4.9	49 2 0.04		10 0.50 0.04	3,400 300 2.2	11,000 8,500 41.2	350 125 3.1	23,258	(22,319)

ASSUMPTIONS:

1. Waste Generation is estimated using the Waste Board's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, August 2011.

2. [Daily Available Capacity](#), in blue text, is based on Maximum Permitted Daily Capacity for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.

LEGEND:

C -Closure due to exhausted capacity/permit expiration

E -Expansion may become effective

L -Does not accept waste from the City of Los Angeles and Orange County

R -Restricted Wasteshed

Source: Los Angeles County Department of Public Works, October 2011

Appendix E-5 Transfer and Processing Facilities

*Permitted Large Volume Solid Waste Transfer/Processing Facilities in
Los Angeles County and Type of Operation in 2010*

Transfer and Processing Stations

	Facility Name	Location Address	Permitted Capacity (tpd)	Avg. Daily Tonnage (tpd)
1	American Remedial Technologies	2600 East Imperial Hwy Lynwood, 90262	962	n/a
2	American Waste Transfer Station	1449 West Rosecrans Avenue, Gardena, 90247	4,032	1,567
3	Angelus Western Paper Fibers, Inc.	2474 Porter Street, Los Angeles, 90021	700	650
4	Bel-Art Waste Transfer Station	2501 East 68th Street Long Beach, 90805	1,500	1,084
5	Bradley East Transfer Station	9227 Tujunga Avenue, Sun Valley, 91352	1,500	n/a
6	Carson Transfer Station	321 West Francisco Street, Carson, 90745	5,300	37
7	Central LA Recycling & Transfer Station	2201 Washington Boulevard, Los Angeles, 90034	5,500	996
8	City of Inglewood Transfer Station	222 West Beach Avenue, Inglewood, CA 90302	100	25
9	City of Lancaster Maintenance Yard	46008 North 7th Street West, Lancaster, CA 93534	100	15
10	City of Santa Monica Transfer Station	2500 Michigan Avenue, Santa Monica, 90404	400	232
11	Compton Recycling & Transfer Station (Allied/BFI Waste Systems)	2509 West Rosecrans Avenue, Compton, 90220	2,160	595
12	Culver City Transfer/Recycling Station	9255 West Jefferson Boulevard, Culver City, 90232	500	180
13	East Street Maintenance District Yard	452 San Fernando Road, Los Angeles, 90065	459	64
14	Granada Hills Street MDY	10210 Etiwanda Avenue, Northridge, 91325	459	43
15	Innovative Waste Control	4133 Bandini Boulevard, Vernon, 90023	1,250	922
16	Mission Recycling/West Coast Recycling	1326 East Ninth Street, Pomona, 91766	300	n/a
17	Mission Recycling/West Coast Recycling	1341 East Mission Boulevard, Pomona, 91766	200	n/a
18	Mission Road Recycling & Transfer Station	840 South Mission Road, Los Angeles, 90033	1,785	856
19	Paramount Resource Recycling Facility	7230 Petterson Lane, Paramount, 90723	2,450	420
20	Pomona Municipal Direct Transfer Facility	1730 East First Street, Pomona, 91766	150	150
21	South Gate Transfer Station	9530 South Garfield Avenue, South Gate, 90280	1,000	372
22	Southern Cal. Disposal Co. R. & TS	1908 Frank Street, Santa Monica, 90404	2,112	370
23	Southwest Street MDY	5860 South Wilton Place, Los Angeles, 90047	459	76
24	Van Nuys Street MDY	15145 Oxnard Street, Van Nuys, 91411	225	17
25	Western Distric Satellite Yard	6000 West Jefferson Boulevard, Los Angeles, 90016	149	n/a
Total			33,752	8,671

Material Recovery Facility (Dirty)

	Facility Name	Location Address	Permitted Capacity (tpd)	Avg. Daily Tonnage (tpd)
1	Athens Services	14048 East Valley Boulevard, Industry, 91746	5,000	2,664
2	Athens Sun Valley MRF	11121 Pendleton Street, Sun Valley, 91352	1,500	174
3	California Waste Services, LLC	621 West 152nd Street, Gardena, 90247	1,000	210
4	City Terrace Recycling Transfer Station	1511-1525 Fishburn Avenue, City Terrace, 90063	700	280
5	Community Recycling & Resource Recovery, Inc.	9147 De Garmo Avenue, Sun Valley, 91352	1,700	41
6	Downey Area Recycling & Transfer	9770 Washburn Road, Downey, 90241	5,000	493
7	East Los Angeles Recycling And Transfer	1512 North Bonnie Beach Place, City Terrace, 90063	700	520
8	Falcon Refuse Center, Inc.	3031 East "I" Street, Wilmington, 90744	3,500	179
9	Grand Central Recycling & Transfer Station	999 Hatcher Boulevard, Industry, 91744	5,000	426
10	Puente Hills Materials Recovery Facility	2808 Workman Mill Road, Whittier, 90601	4,400	381
11	Waste Management South Gate Transfer Station	4489 Ardine Street, South Gate, 90280	2,000	392
12	Waste Resource Recovery	357 West Compton Boulevard, Gardena, 90248	500	244
Total			31,000	6,004

Material Recovery Facility (Clean)

	Facility Name	Location Address	Permitted Capacity (tpd)	Avg. Daily Tonnage (tpd)
1	Allan Company Baldwin Park	14604-14618 Arrow Highway, Baldwin Park, 91706	750	51
2	City Fibers – West Valley Plant	16714 Schoenborn Street, Los Angeles, 91343	350	n/a
3	City Fibers - LA Plant No. 2	2545 East 25th Street Los Angeles, CA 90058	300	n/a
4	Los Angeles Express Materials Rec. Fac.	6625 Stanford Avenue, Los Angeles, CA 90001	207	142
5	Pico Rivera MRF	8405 Loch Lomand Drive, Pico Rivera, CA 91660	327	159
6	Sun Valley Paper Stock MRF and TS	8701 North San Fernando Road, Sun Valley, 91352	1,250	300
Total			3,184	652

Construction and Demolition/Processing

	Facility Name	Location Address	Permitted Capacity (tpd)	Avg. Daily Tonnage (tpd)
1	Construction and Demolition Recycling	9309 Rayo Avenue, South Gate 90280	3,000	n/a
2	Direct Disposal C & D Recycling	3720 Noakes Street, Los Angeles, 90023	100	37
3	Looney Bins/East Valley Diversion	11616 Sheldon Street, Sun Valley, 91352	750	400
4	Looney Bins/Downtown Diversion	2424 Olympic Boulevard, Los Angeles, 90021	1,500	444
Total			5,350	918

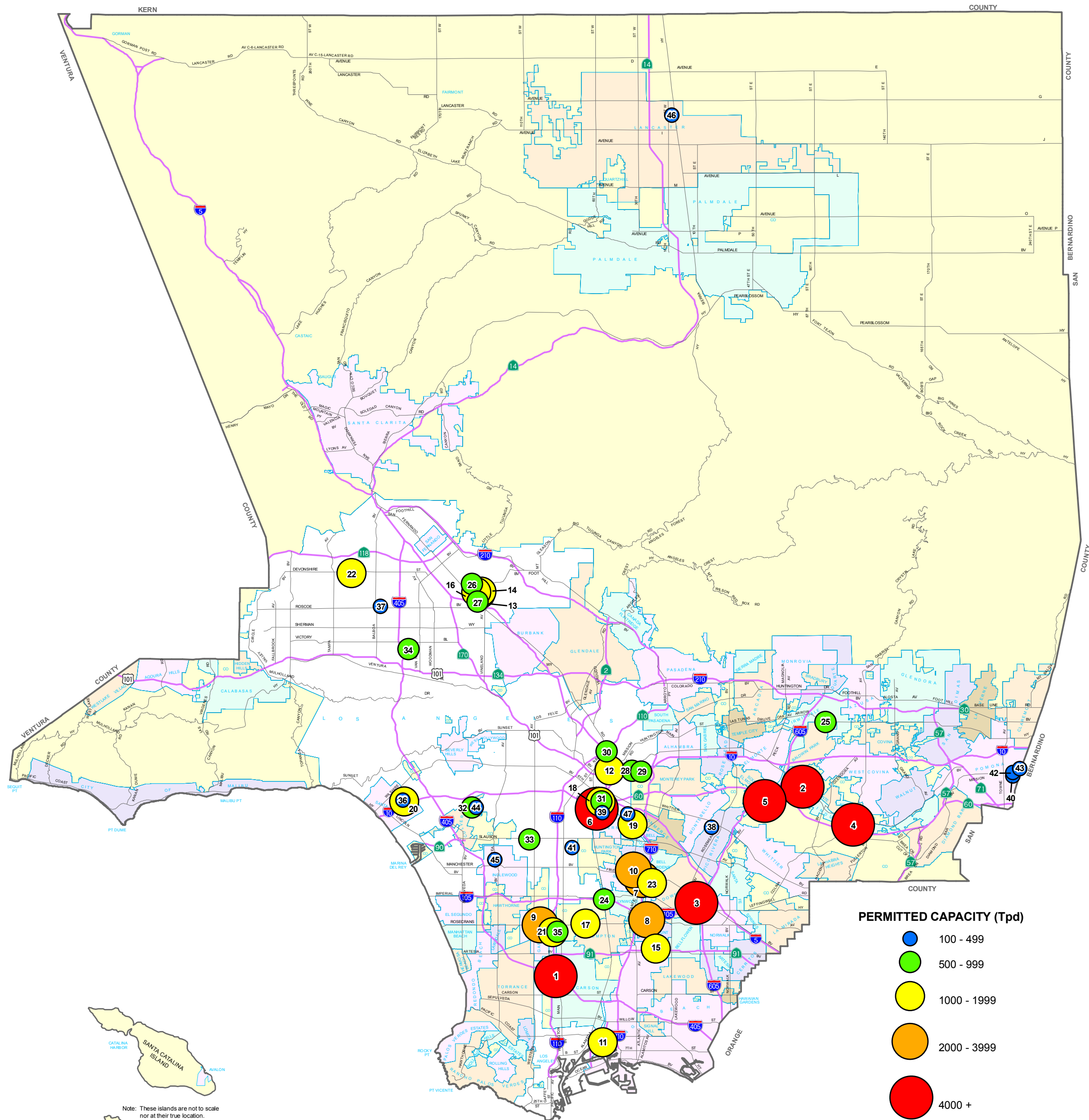
Composting Facility / Landfill

	Facility Name	Location Address	Permitted Capacity (tpd)	Avg. Daily Tonnage (tpd)
1	Agromin Premium Soil Products	Potrero Canyon Road, Newhall, 91381	200	n/a
2	Griffith Park Composting Facility	5400 Griffith Park Drive, Los Angeles, 90027	222	16
3	Pebbly Beach (Avalon) Disposal Site	1 Dump Road Avalon, 90704	49	17
Total			471	33

- Notes: 1. Facilities listed are permitted by the California Integrated Waste Management Board as “Large Volume Transfer/Processing” or “Direct Transfer” Facilities with daily capacity of at least 100 tpd.
2. Permitted capacity is based on the Max. Permitted Throughput as specified in the Solid Waste Facility Permit. If capacity is in cubic yards, a conversion factor of 900 lbs/cubic yard for an uncompacted load is assumed.
3. Tpd is tons per day based on 6 operating days a week, 312 days a year.



Permitted Large Volume Solid Waste Transfer and Processing Facilities in Los Angeles County in 2010



NOTES:

- Facilities listed are permitted by the California Integrated Waste Management Board as "Large Volume Transfer/Processing" or "Direct Transfer" Facilities with daily capacity of 100 tpd or more.
- Permitted capacity is based on the Max. Permitted Throughput as specified in the Solid Waste Facility Permit. If capacity is in cubic yards, a conversion factor of 900 lbs/cubic yard for an uncompacted load is assumed.
- Tpd is tons per day based on 6 operating days a week, 312 days a year.
- Facilities at right shown in blue are located in the County unincorporated areas.
- Facilities at right shown in brown are categorized as Construction and Demolition/Processing facilities.

NO.	FACILITY NAME AND ADDRESS	PERMITTED CAPACITY (Tpd)
1	Carson Transfer Station & Materials Recovery Facility 321 West Francisco Street, Carson, 90745	5,300
2	Athens Services 14048 East Valley Boulevard, Industry, 91746	5,000
3	Downey Area Recycling & Transfer 9770 Washburn Road, Downey, 90241	5,000
4	Grand Central Recycling & Transfer Station 999 Hatcher Boulevard, City of Industry, 91744	5,000
5	Puente Hills Materials Recovery Facility 2808 Workman Mill Road, Whittier, 90601	4,400
6	Central LA Recycling & Transfer Station 2201 Washington Boulevard, Los Angeles, 90034	4,025
7	Construction and Demolition Recycling 9309 Rayo Avenue, South Gate, 90280	3,000
8	Paramount Resource Recycling Facility 7230 Petterson Lane, Paramount, 90723	2,450
9	American Waste Transfer Station 1449 West Rosecrans Avenue, Gardena, 90247	2,225
10	Waste Management South Gate Transfer 4489 Ardine Street, South Gate, 90280	2,000
11	Falcon Refuse Center, Inc. (Allied/BFI Waste Systems, Falcon) 3031 East "I" Street, Wilmington, 90744	1,850
12	Mission Road Recycling & Transfer Station 840 South Mission Road, Los Angeles, 90033	1,785
13	Community Recycling & Resource Recovery, Inc. 9147 De Garmo Avenue, Sun Valley, 91352	1,700
14	Athens Sun Valley Materials Recycling & Transfer Station 11121 Pendleton Street, Sun Valley, 91352	1,500
15	Bel-Art Waste Transfer Station 2501 East 68th Street, Long Beach, 90805	1,500
16	Bradley East Transfer Station 9227 Tujunga Avenue, Sun Valley, 91352	1,500
17	Compton Recycling & Transfer Station (Allied/BFI Waste Systems, Compton) 2509 West Rosecrans Avenue, Compton, 90220	1,500
18	Looney Bins/Downtown Diversion 2424 Olympic Boulevard, Los Angeles, 90021	1,500
19	Innovative Waste Control 4133 Bandini Boulevard, Vernon, 90023	1,250
20	Southern California Disposal Company Recycling & Transfer Station 1908 Frank Street, Santa Monica, 90404	1,056
21	California Waste Services 621 West 152nd Street, Gardena, 90247	1,000
22	Granada Hills Street Maintenance District Yard 10210 Etiwanda Avenue, Northridge, 91325	1,000
23	South Gate Transfer Station 9530 South Garfield Avenue, South Gate, 90280	1,000
24	American Remedial Technologies 2600 East Imperial Hwy Lynwood, 90262	962
25	Allan Company Baldwin Park 14604-14618 Arrow Highway, Baldwin Park, 91706	750
26	Looney Bins/East Valley Diversion 11616 Sheldon Street, Sun Valley, 91352	750
27	Sun Valley Paper Stock Materials Recovery Facility & Transfer Station 8701 North San Fernando Road, Sun Valley, 91352	750
28	City Terrace Recycling Transfer Station 1511-1525 Fishburn Avenue, City Terrace, 90063	700
29	East Los Angeles Recycling And Transfer 1512 North Bonnie Beach Place, City Terrace, 90063	700
30	East Street Maintenance District Yard 452 San Fernando Road, Los Angeles, 90065	700
31	Angelus Western Paper Fibers, Inc. 2474 Porter Street, Los Angeles, 90021	650
32	Culver City Transfer/Recycling Station 9255 West Jefferson Boulevard, Culver City, 90232	500
33	Southwest Street Maintenance District Yard 5860 South Wilton Place, Los Angeles, 90047	500
34	Van Nuys Street Maintenance District Yard 15145 Oxnard Street, Van Nuys, 91411	500
35	Waste Resource Recovery 357 West Compton Boulevard, Gardena, 90248	500
36	Santa Monica Resource Recovery Center 2500 Michigan Avenue, Santa Monica, 90404	400
37	City Fibers - West Valley Plant 16714 Schoenborn Street, Los Angeles, 91343	350
38	Pico Rivera MRF 8405 Loch Lomand Drive, Pico Rivera, 91660	327
39	City Fibers - LA Plant #2 2545 East 25th Street, Los Angeles, 90058	300
40	Mission Recycling/West Coast Recycling 1326 East Ninth Street, Pomona, 91766	300
41	Los Angeles Express Materials Rec. Fac. 6625 Stanford Avenue, Los Angeles, 90001	240
42	Mission Recycling/West Coast Recycling 1341 East Mission Boulevard, Pomona, 91766	200
43	Pomona Municipal Direct Transfer Facility 1730 East First Street, Pomona, 91766	150
44	Western District Satellite Yard 6000 West Jefferson Boulevard, Los Angeles, 90016	149
45	City of Inglewood Transfer Station 222 West Beach Avenue, Inglewood, 90302	100
46	City of Lancaster Maintenance Yard 46008 North 7th Street West, Lancaster, 93534	100
47	Direct Disposal C & D Recycling 3720 Noakes Street, Los Angeles, 90023	100

Appendix E-6 Map of Disposal by Jurisdiction of Origin



WASTE DISPOSAL BY JURISDICTION OF ORIGIN AT PERMITTED MUNICIPAL SOLID WASTE FACILITIES IN LOS ANGELES COUNTY 2010

